

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065423.D
 Acq On : 05 Mar 2020 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:23 AM

Quant Time: Mar 06 03:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	757263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	673784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	216623	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	7.92	113	234209	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.34	98	936154	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.64	95	285953	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	218369	47.920	ug/l	100
3) Chloromethane	2.21	50	259283	47.128	ug/l	100
4) Vinyl Chloride	2.36	62	271142	49.967	ug/l	97
5) Bromomethane	2.77	94	170936	56.875	ug/l	99
6) Chloroethane	2.93	64	165728	49.865	ug/l	99
7) Trichlorofluoromethane	3.27	101	397987	49.774	ug/l	100
8) Diethyl Ether	3.71	74	115826	48.711	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	259152	50.324	ug/l	98
10) Methyl Iodide	4.30	142	302223	56.490	ug/l	97
11) Tert butyl alcohol	5.24	59	52473	201.134	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	246513	49.991	ug/l	96
13) Acrolein	3.92	56	96663	214.840	ug/l	98
14) Allyl chloride	4.71	41	385624	50.907	ug/l	99
15) Acrylonitrile	5.43	53	252360	243.954	ug/l	99
16) Acetone	4.16	43	270646	294.231	ug/l	99
17) Carbon Disulfide	4.40	76	817808	49.801	ug/l	99
18) Methyl Acetate	4.71	43	111560	47.812	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	486024	51.253	ug/l	100
20) Methylene Chloride	4.96	84	267418	53.797	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	280910	51.210	ug/l	99
22) Diisopropyl ether	6.37	45	743343	52.788	ug/l	96
23) Vinyl Acetate	6.31	43	2077918	265.757	ug/l	100
24) 1,1-Dichloroethane	6.26	63	454307	50.298	ug/l	98
25) 2-Butanone	7.22	43	328094	261.375	ug/l	98
26) 2,2-Dichloropropane	7.21	77	406250	51.469	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	286989	51.184	ug/l	98
28) Bromochloromethane	7.55	49	183251	50.711	ug/l	98
29) Tetrahydrofuran	7.57	42	199750	249.181	ug/l	99
30) Chloroform	7.71	83	453942	50.282	ug/l	100
31) Cyclohexane	7.98	56	451383	49.978	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	421507	50.523	ug/l	99
36) 1,1-Dichloropropene	8.11	75	385685	53.133	ug/l	100
37) Ethyl Acetate	7.30	43	144387	51.463	ug/l	96
38) Carbon Tetrachloride	8.10	117	394595	52.422	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	480495	54.806	ug/l	95
40) Benzene	8.36	78	1052229	51.846	ug/l	99
41) Methacrylonitrile	7.53	41	83310m	56.147	ug/l	
42) 1,2-Dichloroethane	8.43	62	266855	50.353	ug/l	100
43) Isopropyl Acetate	8.46	43	260947	50.371	ug/l	100
44) Trichloroethene	9.11	130	298267	52.040	ug/l	99
45) 1,2-Dichloropropane	9.39	63	257033	52.283	ug/l	98
46) Dibromomethane	9.48	93	128803	50.510	ug/l	97
47) Bromodichloromethane	9.67	83	340190	51.279	ug/l	99
48) Methyl methacrylate	9.46	41	122925	50.444	ug/l	98
49) 1,4-Dioxane	9.47	88	26892	921.935	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	684382	262.525	ug/l	99
52) Toluene	10.41	92	670308	52.427	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	326763	52.706	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	402636	53.654	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	181755	50.323	ug/l	97
56) Ethyl methacrylate	10.67	69	220630	54.186	ug/l	99
57) 1,3-Dichloropropane	10.95	76	318671	52.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	285111	224.268	ug/l	100
59) 2-Hexanone	10.99	43	512110	283.778	ug/l	99
60) Dibromochloromethane	11.14	129	238152	51.440	ug/l	100
61) 1,2-Dibromoethane	11.25	107	175949	51.073	ug/l	97
64) Tetrachloroethene	10.88	164	260724	54.002	ug/l	99
65) Chlorobenzene	11.68	112	691056	51.829	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	258322	53.196	ug/l	96
67) Ethyl Benzene	11.75	91	1264056	54.867	ug/l	98
68) m/p-Xylenes	11.86	106	976940	109.973	ug/l	98
69) o-Xylene	12.18	106	431305	55.195	ug/l	99
70) Styrene	12.20	104	769239	55.934	ug/l	99
71) Bromoform	12.37	173	139905	51.291	ug/l #	100
73) Isopropylbenzene	12.48	105	1214014	55.881	ug/l	100
74) N-amyl acetate	12.30	43	232691	52.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	187609	49.128	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	127513m	48.925	ug/l	
77) Bromobenzene	12.77	156	288621	53.472	ug/l	98
78) n-propylbenzene	12.83	91	1448071	56.177	ug/l	100
79) 2-Chlorotoluene	12.91	91	783413	53.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	997995	55.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	66368	53.738	ug/l	97
82) 4-Chlorotoluene	13.01	91	820736	53.763	ug/l	99
83) tert-Butylbenzene	13.23	119	837173	55.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	984065	55.896	ug/l	99
85) sec-Butylbenzene	13.41	105	1211459	56.169	ug/l	100
86) p-Isopropyltoluene	13.53	119	1122133	57.016	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	543293	52.354	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	529906	51.335	ug/l	100
89) n-Butylbenzene	13.86	91	1029074	56.558	ug/l	99
90) Hexachloroethane	14.12	117	217635	53.697	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	459907	52.079	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28456	48.929	ug/l	99

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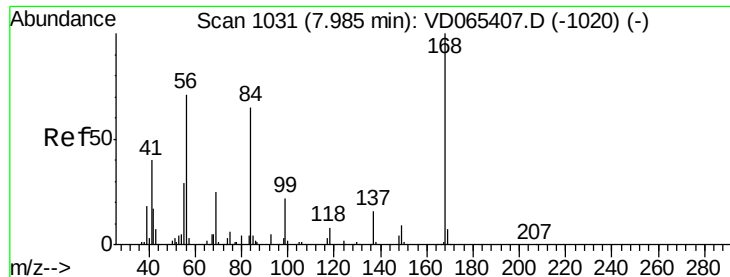
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	326604	54.568	ug/l	99
94) Hexachlorobutadiene	15.28	225	209218	53.199	ug/l	98
95) Naphthalene	15.41	128	526890	49.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	281581	54.442	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 530224

Ion Ratio Lower Upper

168 100

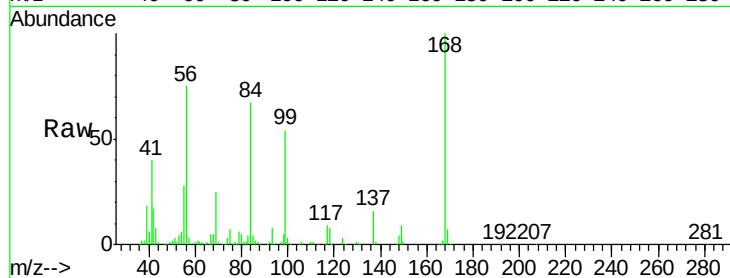
99 53.7 41.5 62.3

Manual Integrations

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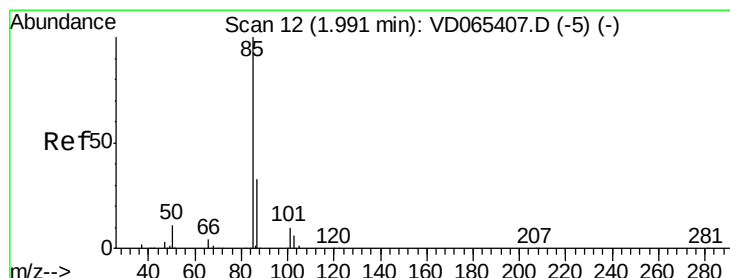
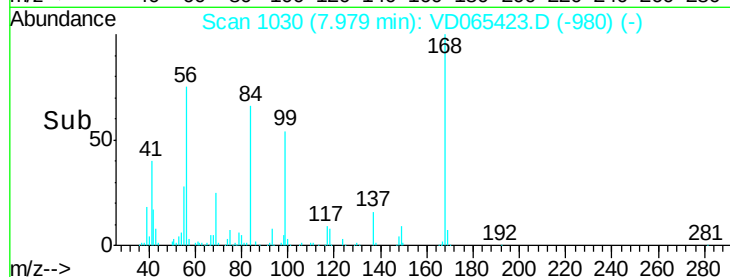
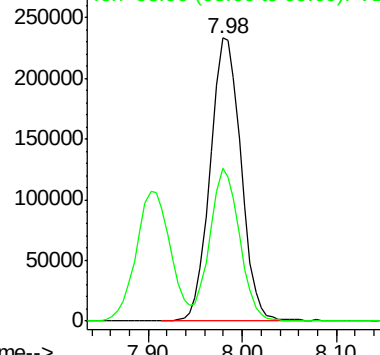
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.920 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065423.D

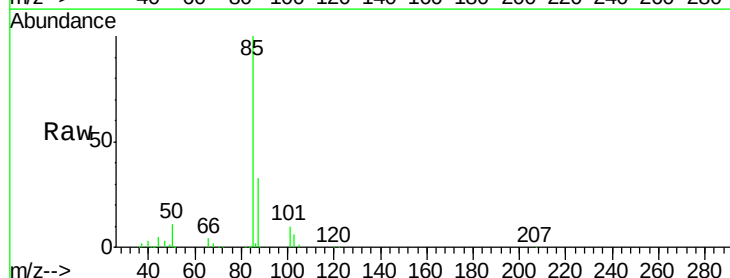
Acq: 05 Mar 2020 11:11

Tgt Ion: 85 Resp: 218369

Ion Ratio Lower Upper

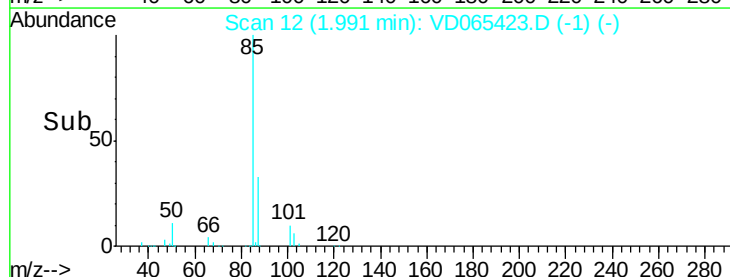
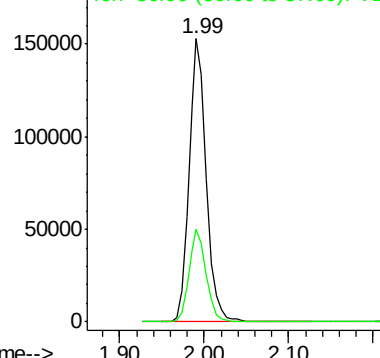
85 100

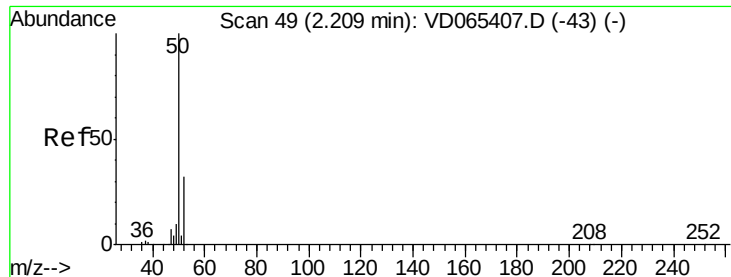
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.128 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 259283

Ion Ratio Lower Upper

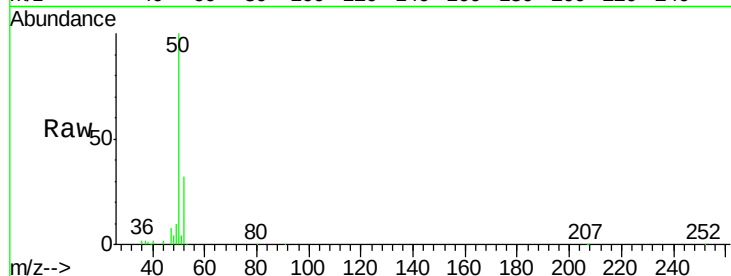
50 100

52 32.4 25.8 38.8

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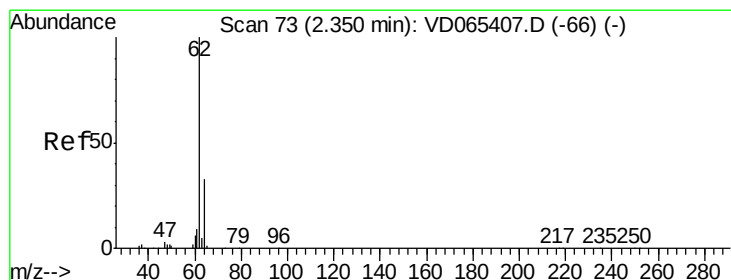
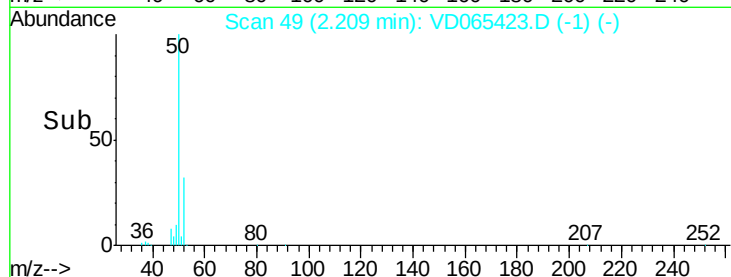
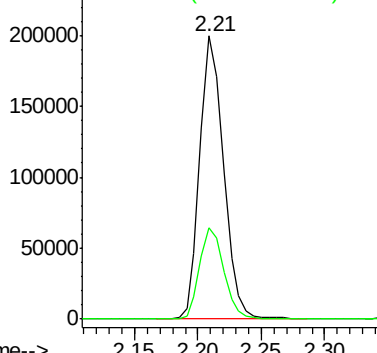
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.967 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065423.D

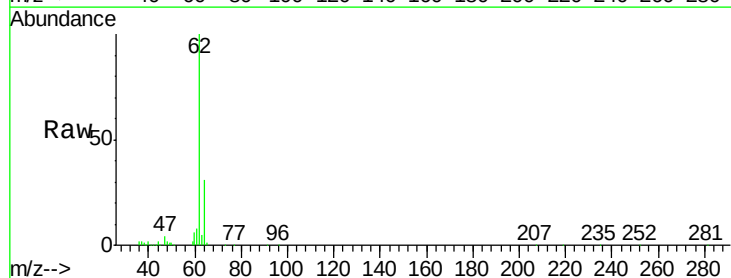
Acq: 05 Mar 2020 11:11

Tgt Ion: 62 Resp: 271142

Ion Ratio Lower Upper

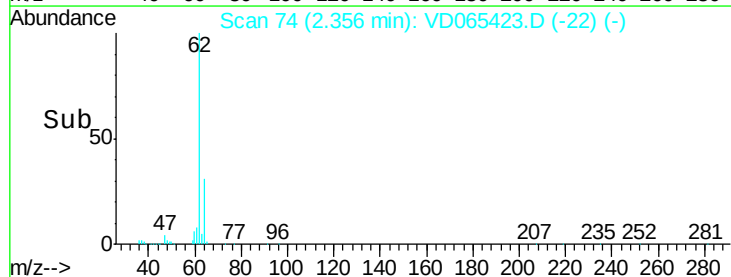
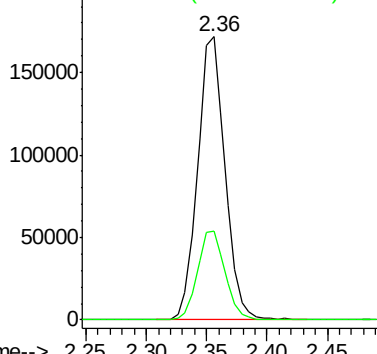
62 100

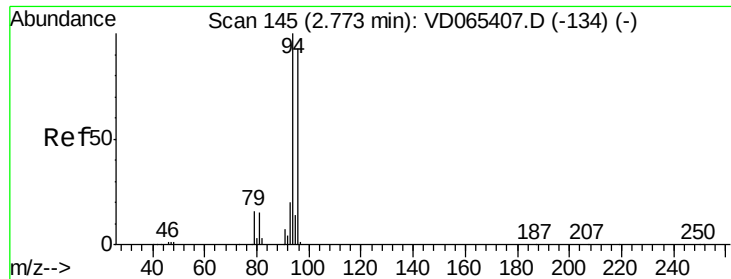
64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.875 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 170936

Ion Ratio Lower Upper

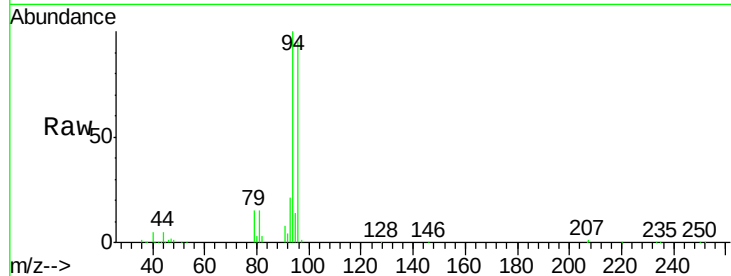
94 100

96 94.3 74.4 111.6

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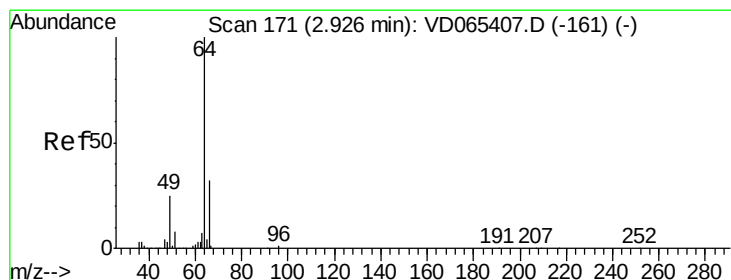
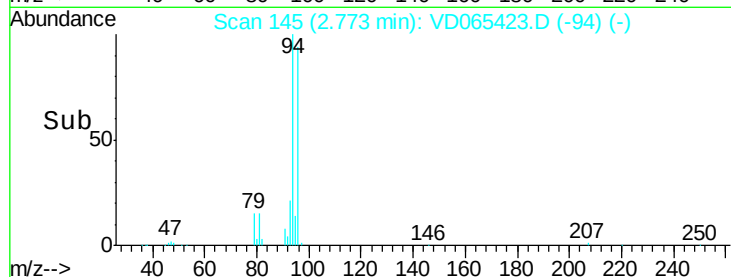
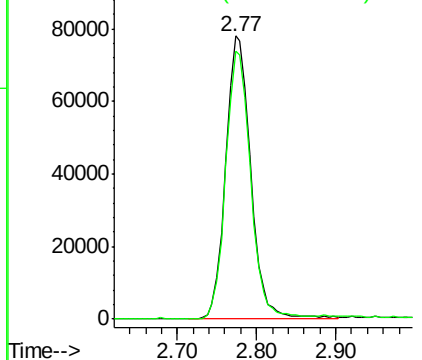
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.865 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065423.D

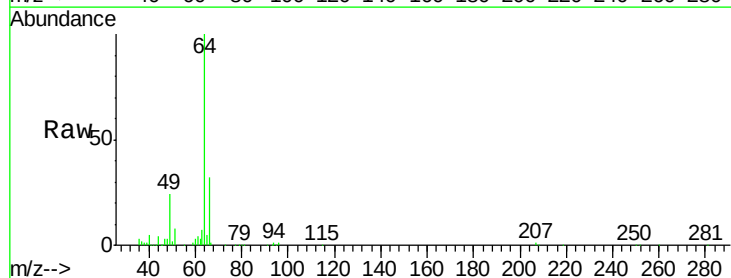
Acq: 05 Mar 2020 11:11

Tgt Ion: 64 Resp: 165728

Ion Ratio Lower Upper

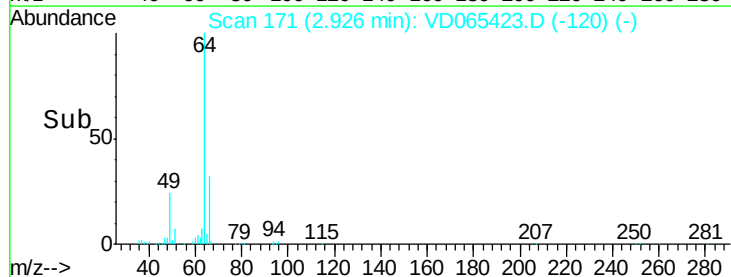
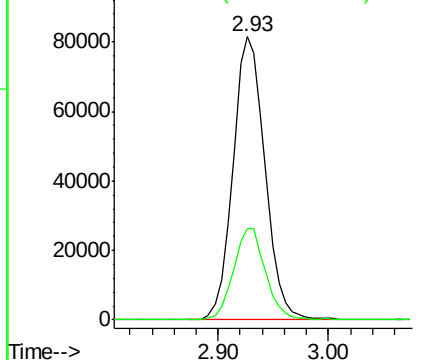
64 100

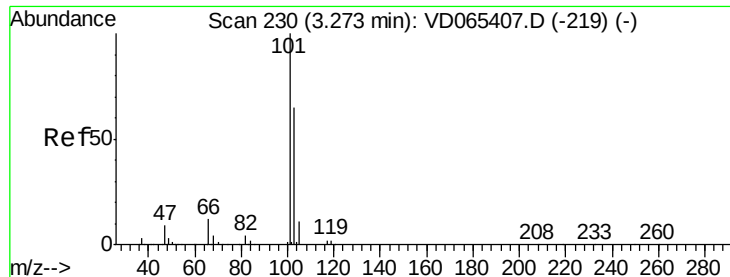
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

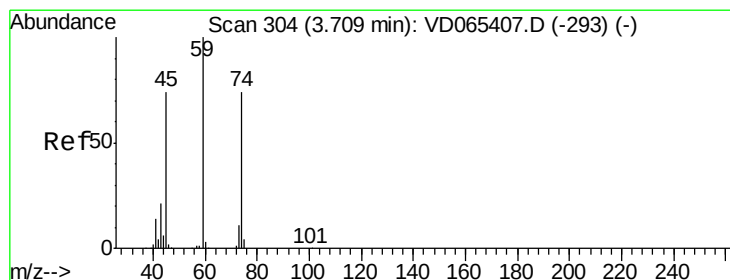
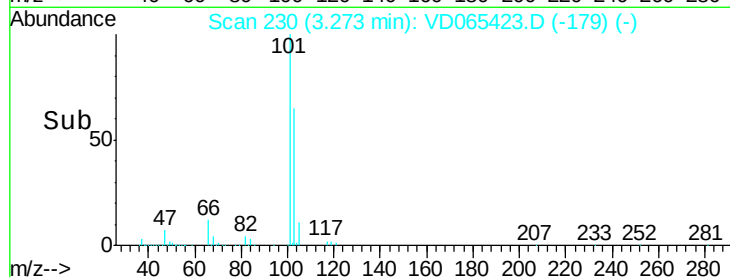
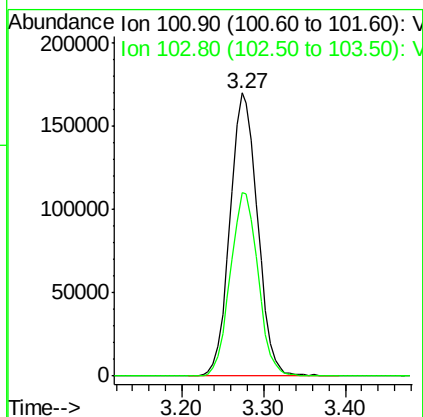
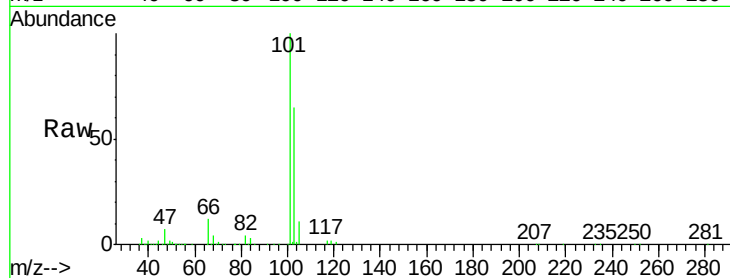
Trichlorofluoromethane
 Concen: 49.774 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

Manual Integrations
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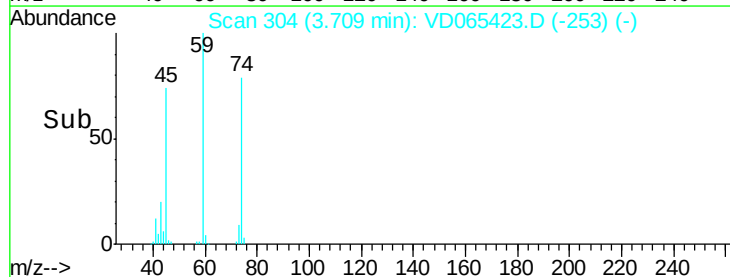
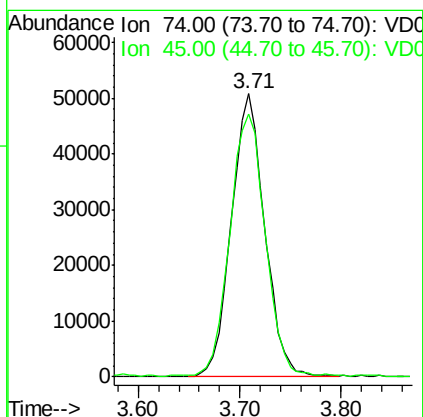
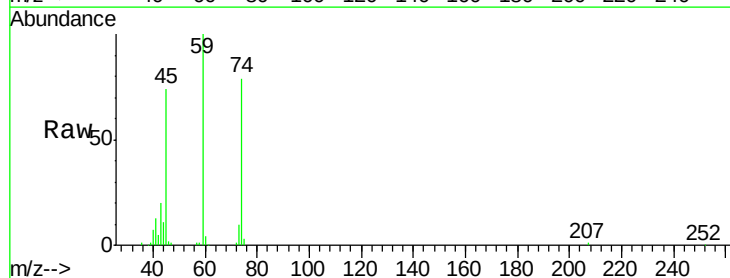
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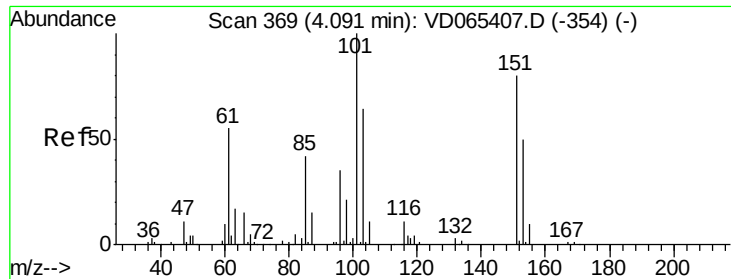


#8

Diethyl Ether
 Concen: 48.711 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.324 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

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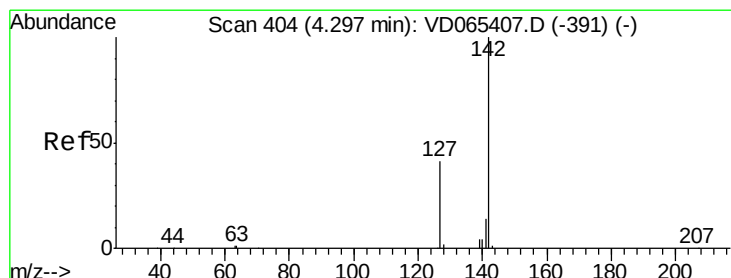
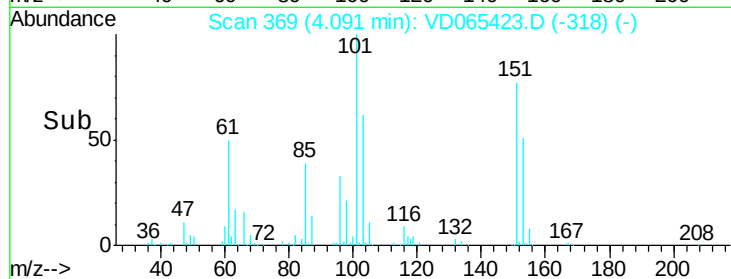
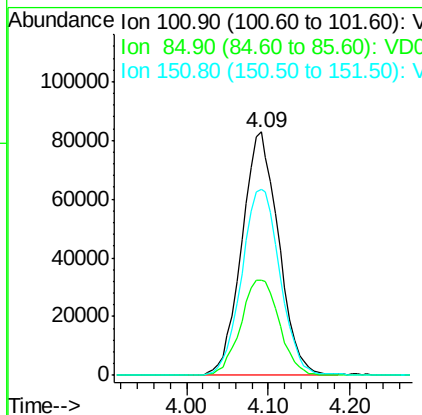
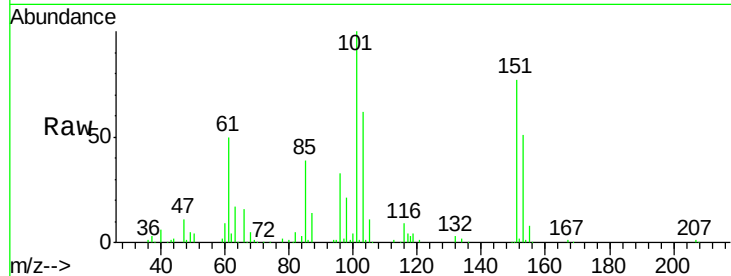
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	259152
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.2
151	79.8	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 56.490 ug/l

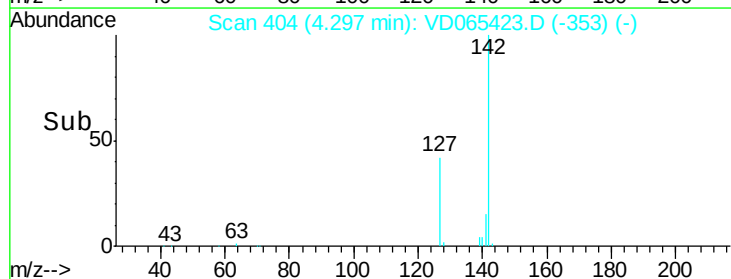
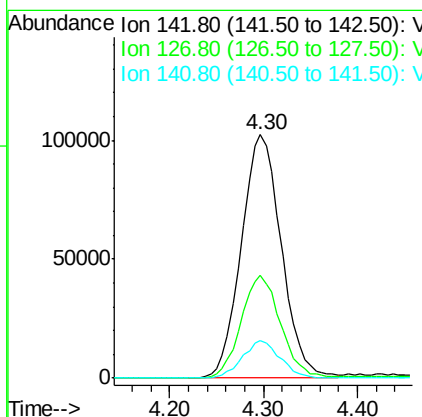
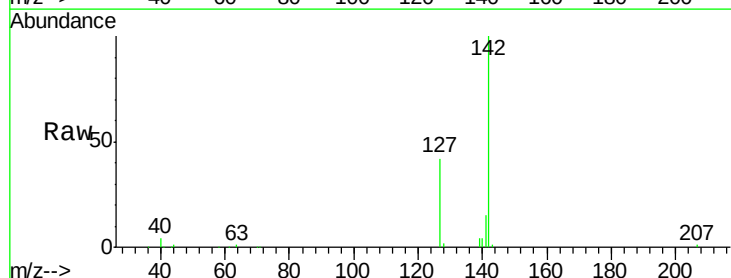
RT: 4.30 min Scan# 404

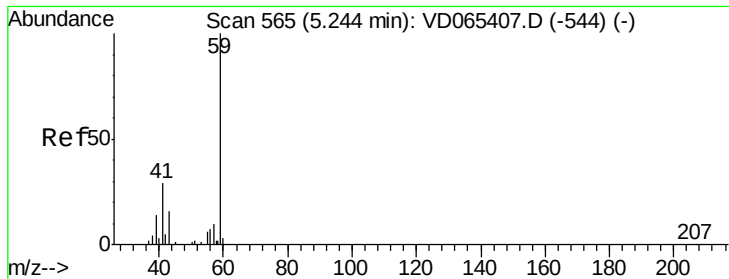
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	142	Resp:	302223
Ion Ratio	Lower	Upper	
142	100		
127	41.4	35.0	52.6
141	14.7	12.4	18.6





#11

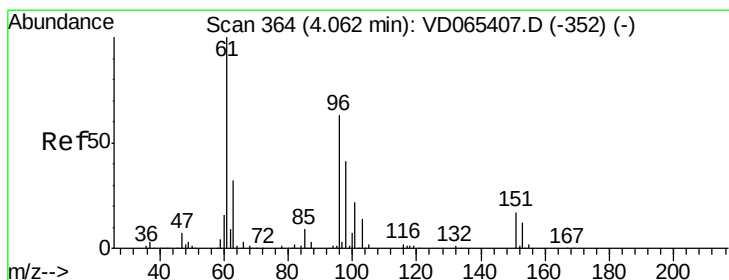
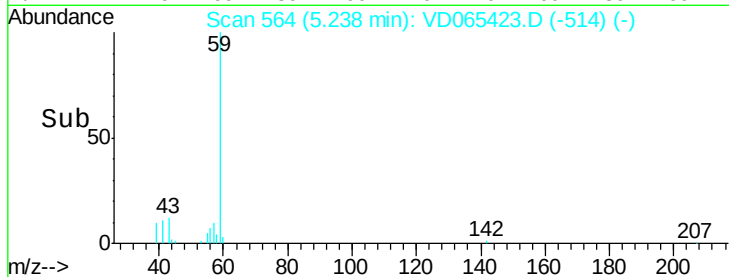
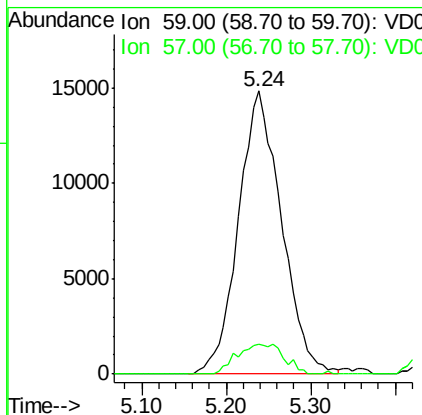
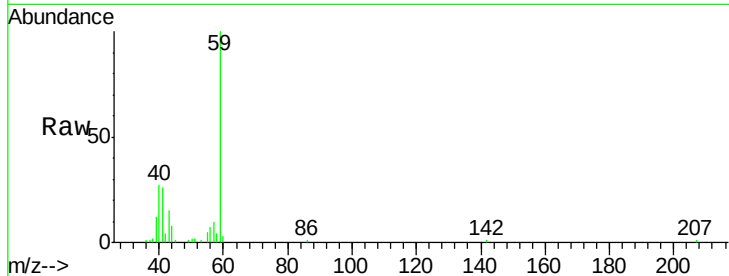
Tert butyl alcohol
Concen: 201.134 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	6.9	10.3#

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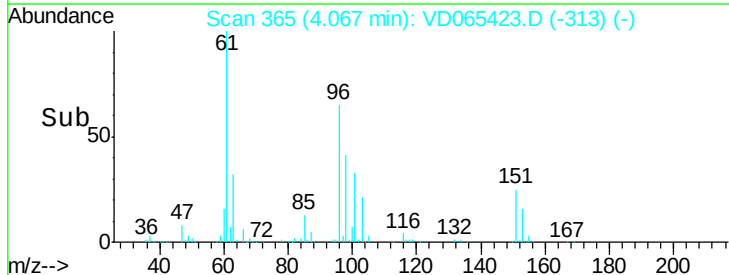
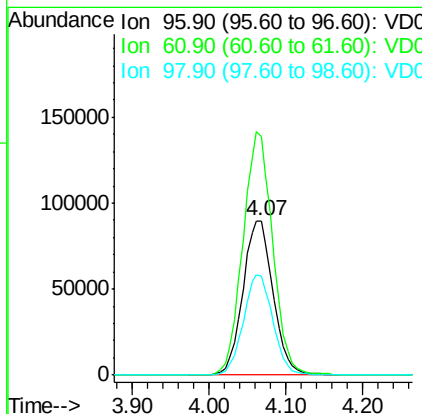
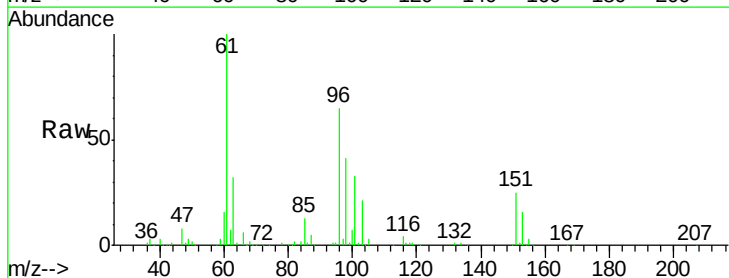
MMDadoda
3/6/2020 11:17:23 AM

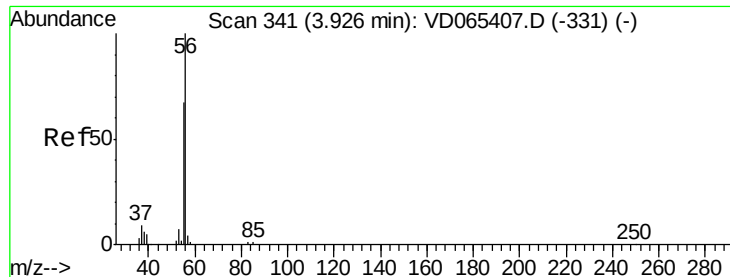


#12

1,1-Dichloroethene
Concen: 49.991 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	128.0	192.0
98	63.9	51.9	77.9





#13

Acrolein

Concen: 214.840 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96663

Ion Ratio Lower Upper

56 100

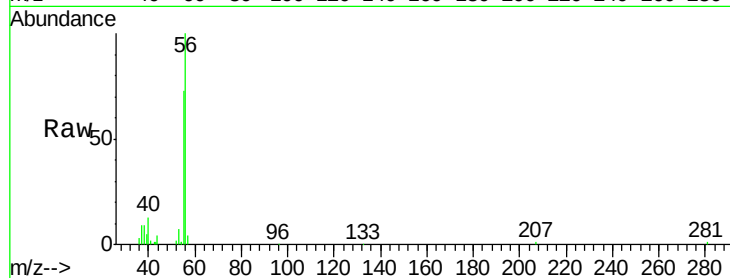
55 72.4 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

40000

30000

20000

10000

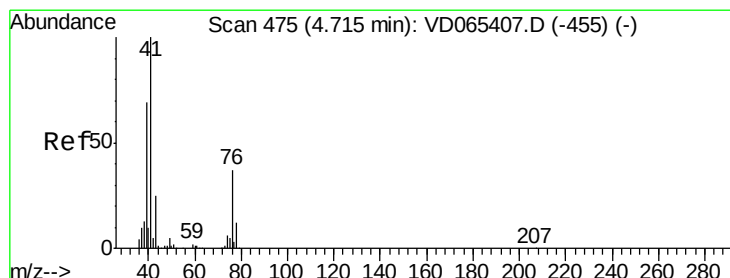
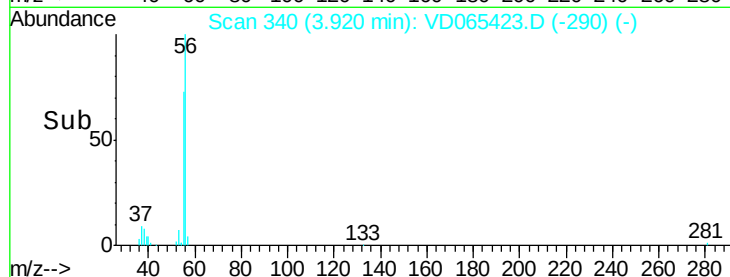
0

Time-->

3.80

3.90

4.00



#14

Allyl chloride

Concen: 50.907 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

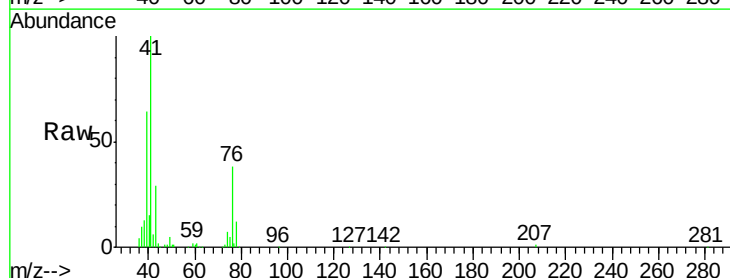
Tgt Ion: 41 Resp: 385624

Ion Ratio Lower Upper

41 100

39 64.4 52.6 79.0

76 36.9 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

150000

100000

50000

0

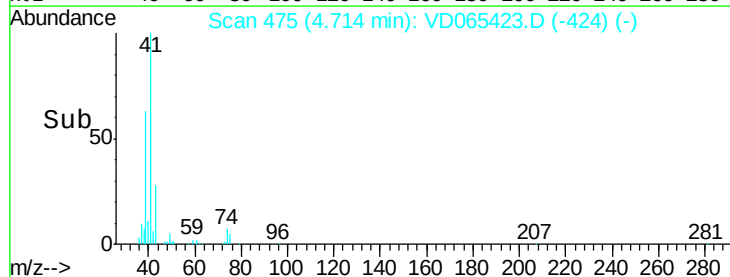
Time-->

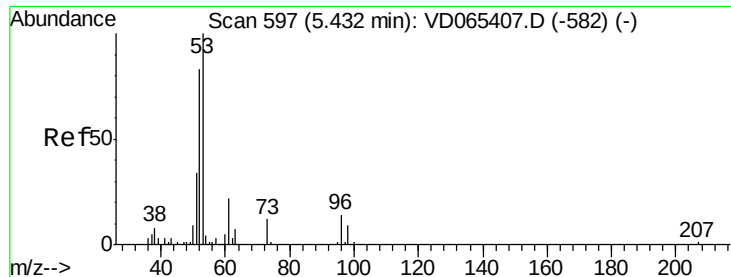
4.50

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 243.954 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

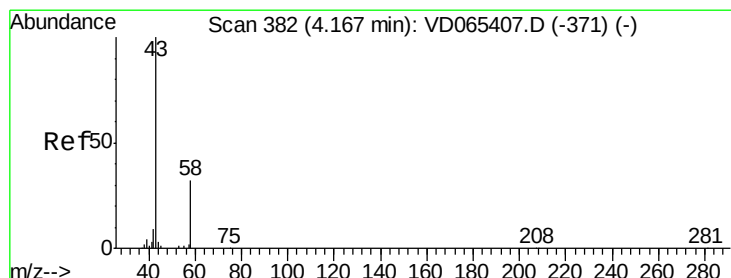
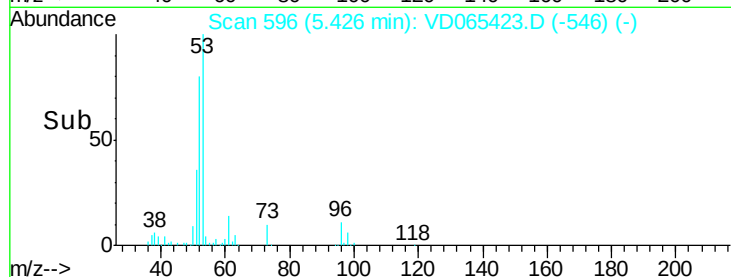
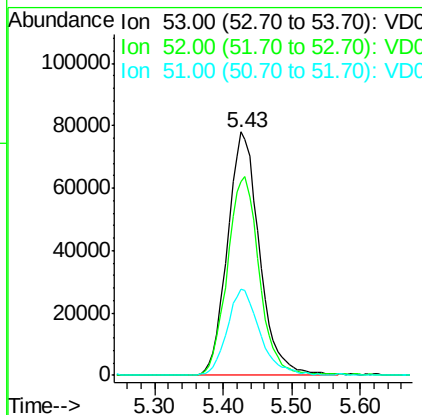
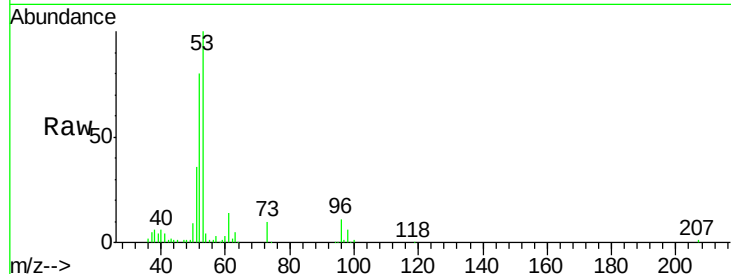
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	252360
Ion Ratio		Lower	Upper
53	100		
52	81.0	65.1	97.7
51	36.5	28.5	42.7

Manual Integrations
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3/6/2020 11:17:23 AM



#16

Acetone

Concen: 294.231 ug/l

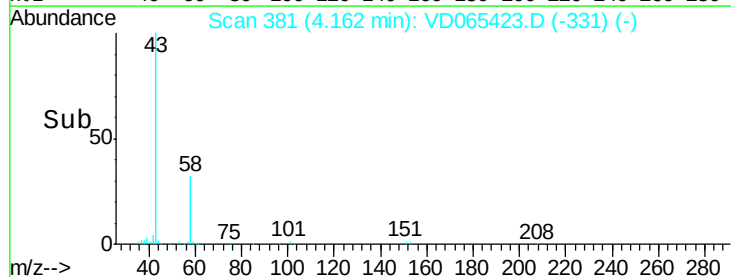
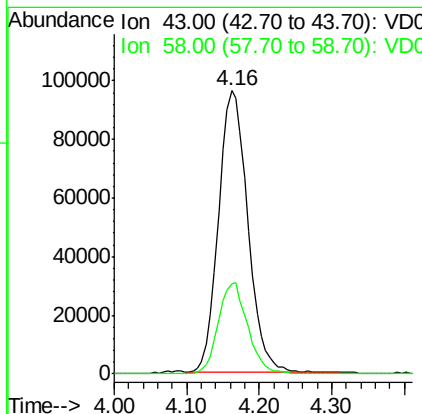
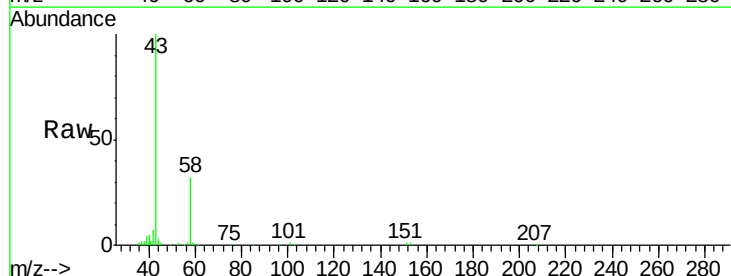
RT: 4.16 min Scan# 381

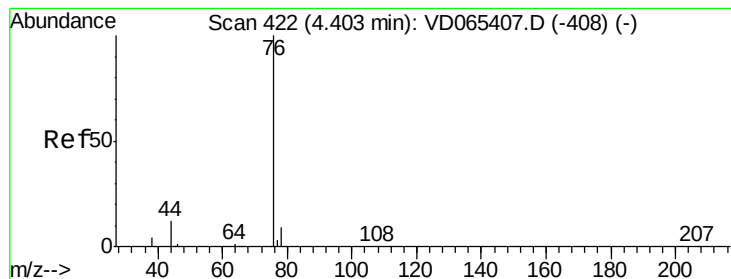
Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	43	Resp:	270646
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.1	37.7





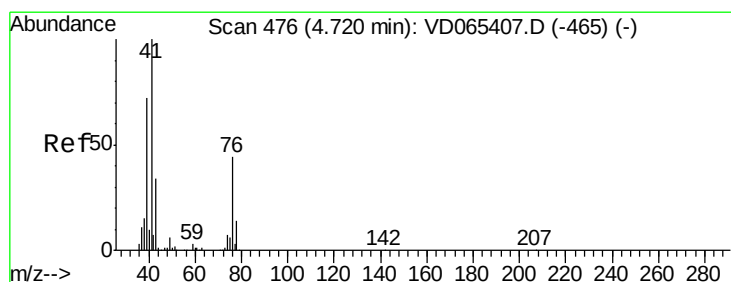
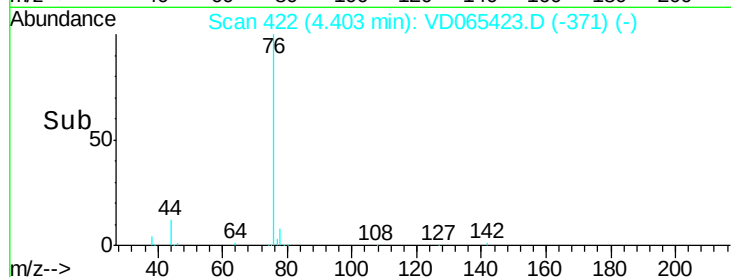
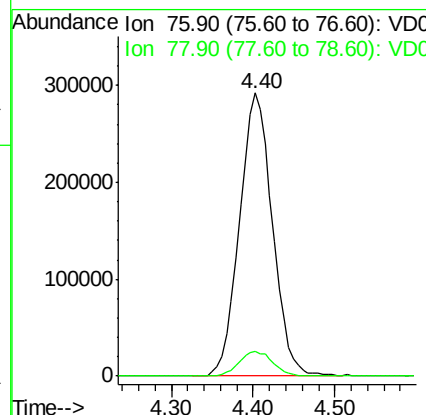
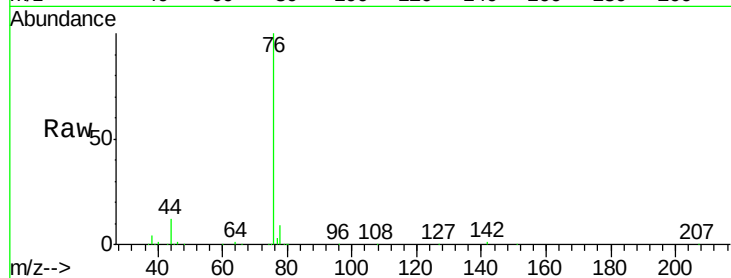
#17
Carbon Disulfide
Concen: 49.801 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

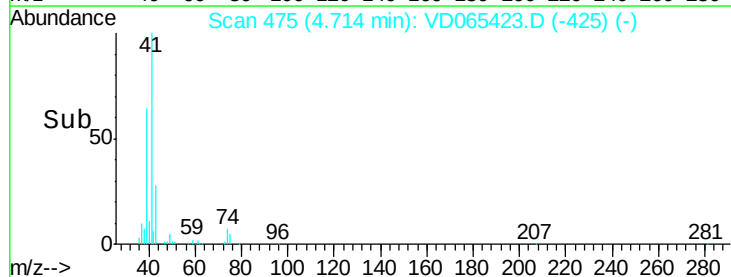
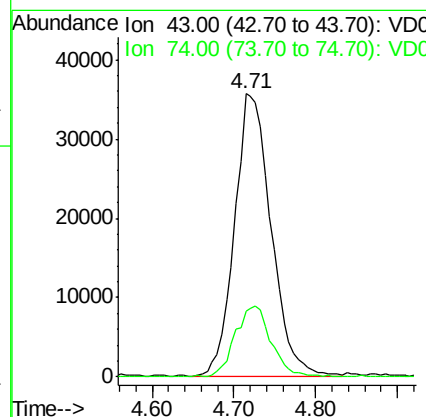
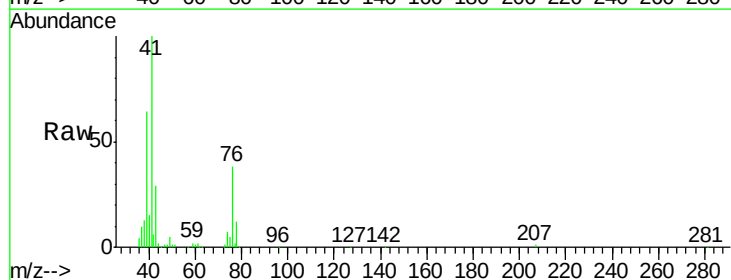
Manual Integrations
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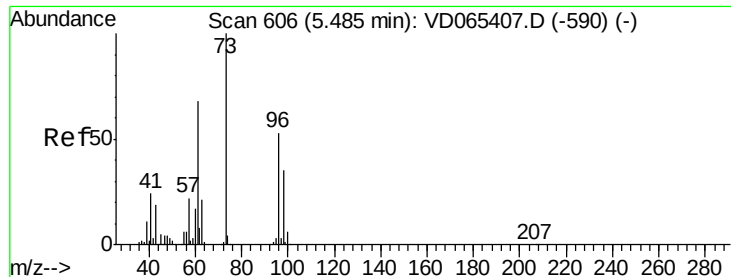
MMDadoda
3/6/2020 11:17:23 AM



#18
Methyl Acetate
Concen: 47.812 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.6	29.4





#19

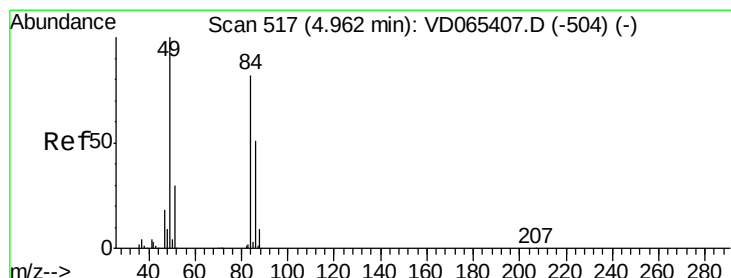
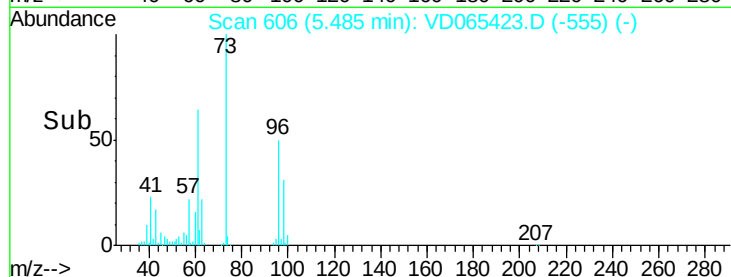
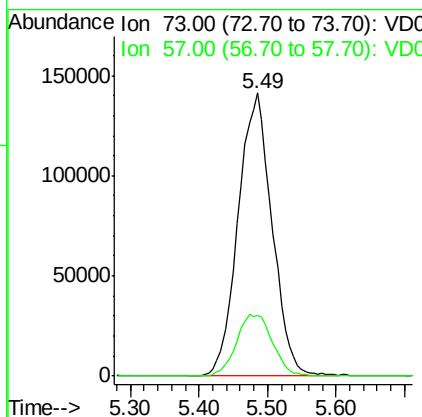
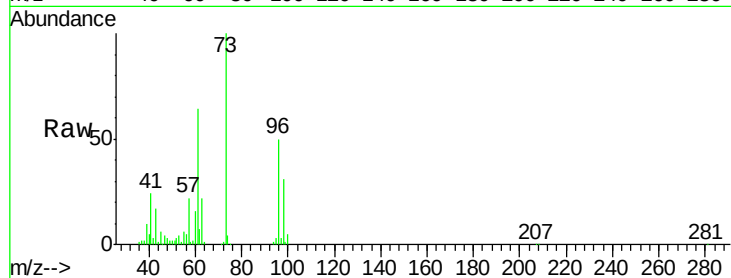
Methyl tert-butyl Ether
 Concen: 51.253 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

Manual Integrations
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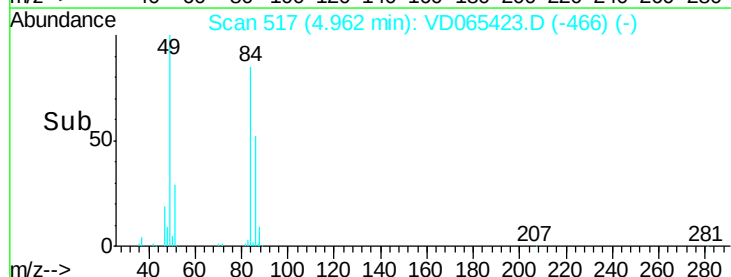
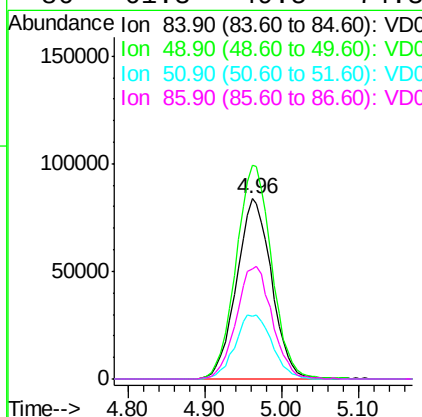
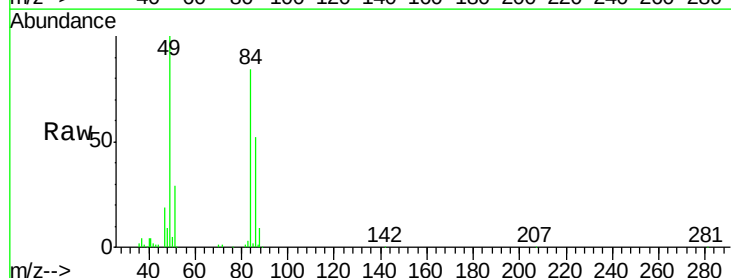
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 3/6/2020 11:17:23 AM

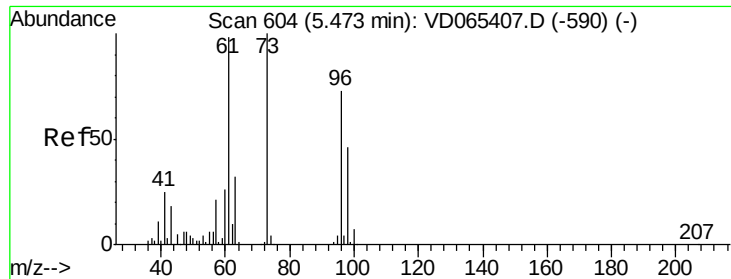


#20

Methylene Chloride
 Concen: 53.797 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.5	97.7	146.5
51	34.6	28.8	43.2
86	61.3	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 51.210 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

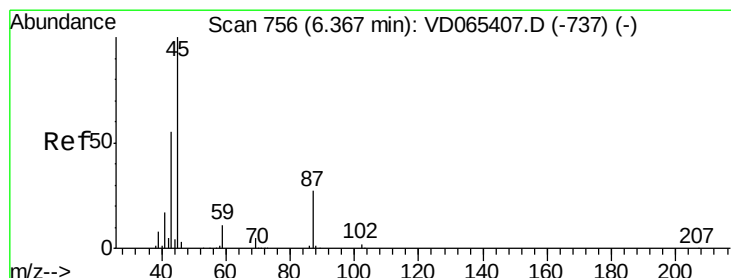
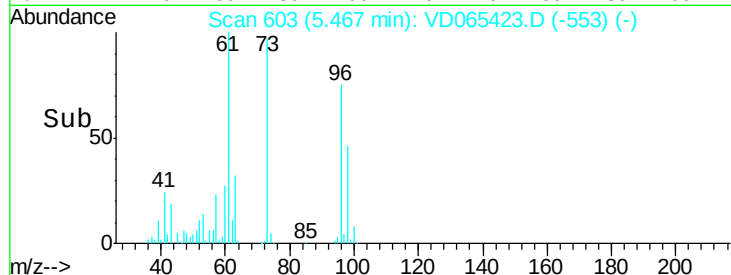
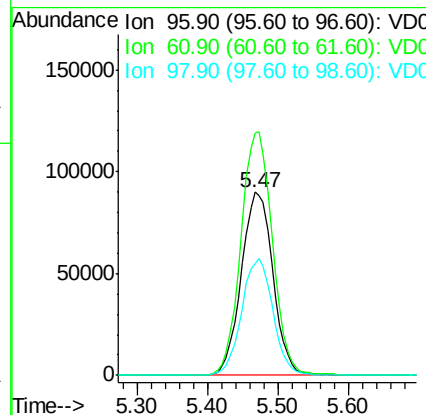
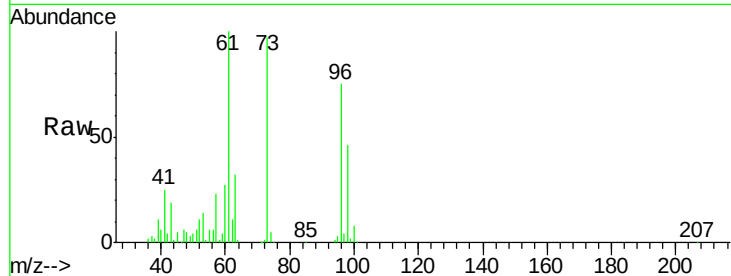
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	280910
Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.3	159.5
98	61.3	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.788 ug/l

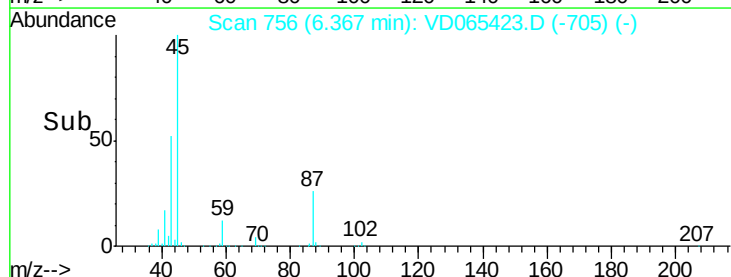
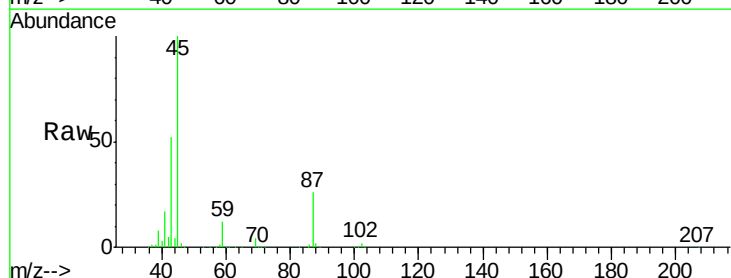
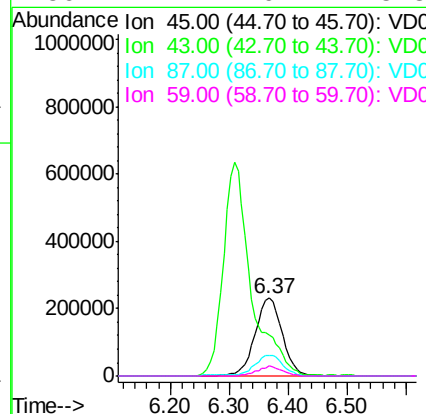
RT: 6.37 min Scan# 756

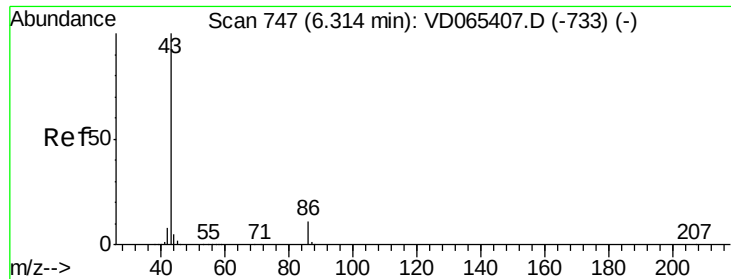
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	45	Resp:	743343
Ion	Ratio	Lower	Upper
45	100		
43	52.3	44.4	66.6
87	25.9	21.9	32.9
59	12.4	9.2	13.8





#23

Vinyl Acetate

Concen: 265.757 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2077918

Ion Ratio Lower Upper

43 100

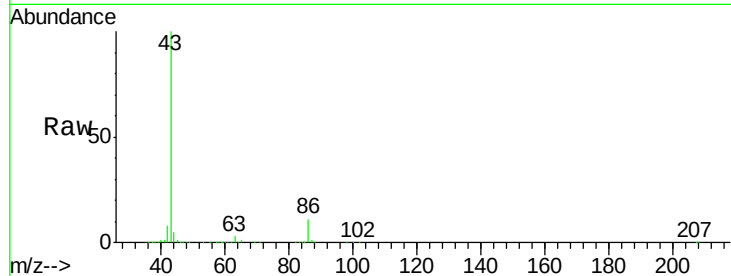
86 11.0 8.9 13.3

Manual Integrations

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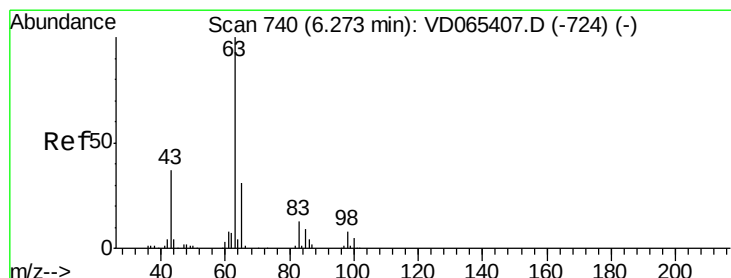
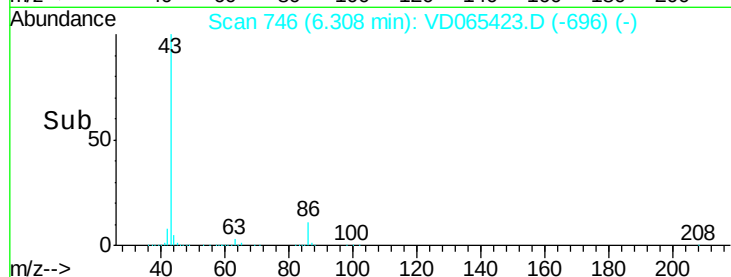
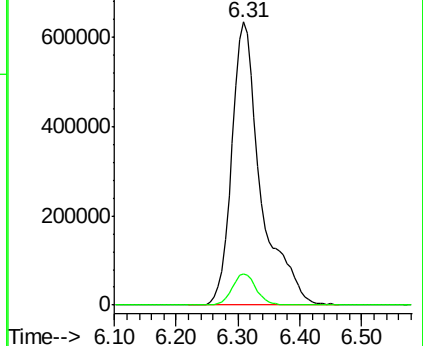
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.298 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

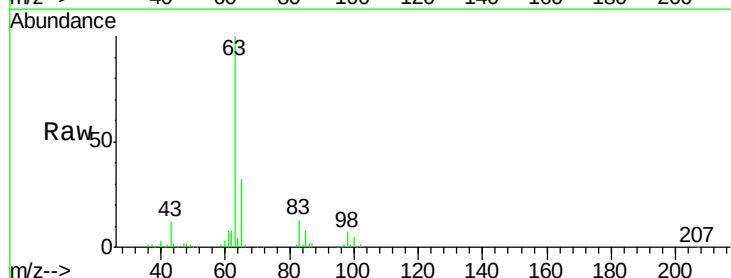
Tgt Ion: 63 Resp: 454307

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

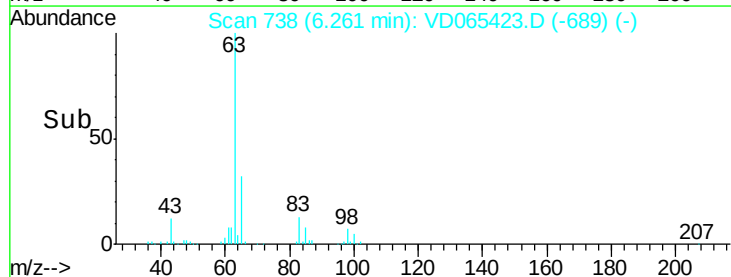
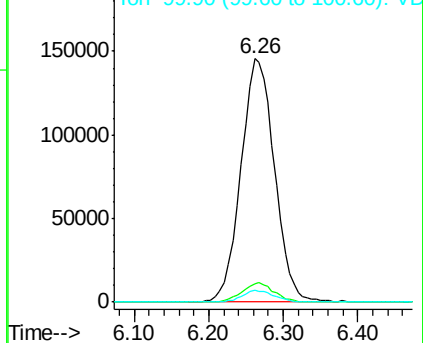
100 4.8 2.4 7.2

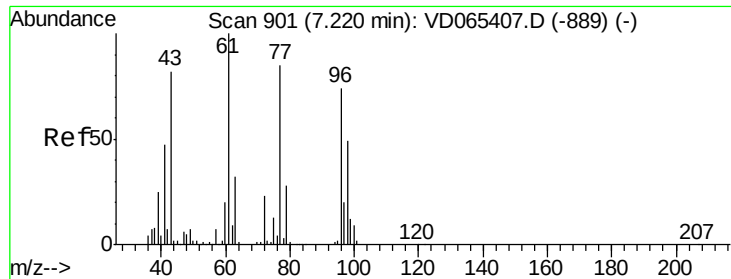


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 261.375 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 328094

Ion Ratio Lower Upper

43 100

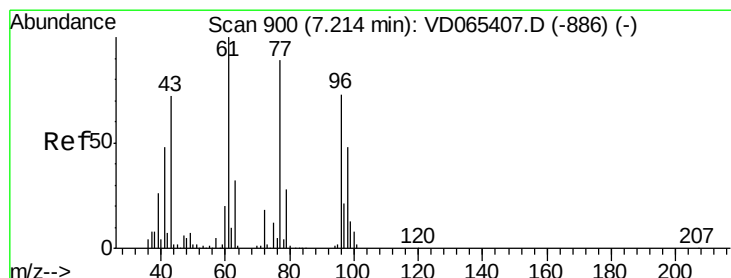
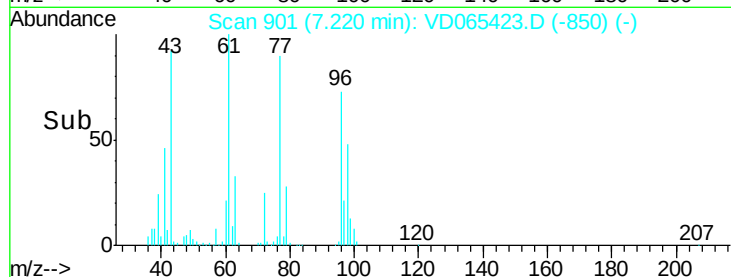
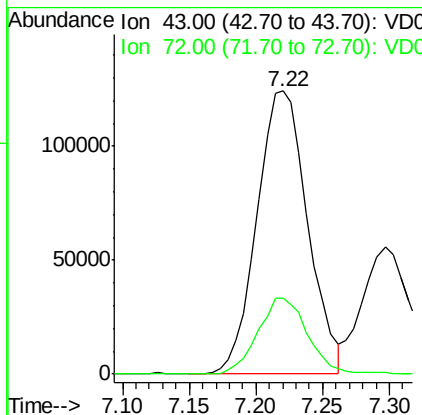
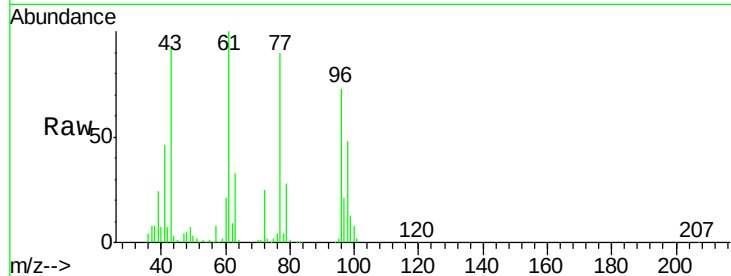
72 26.8 22.3 33.5

Manual Integrations

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MMDadoda

3/6/2020 11:17:23 AM



#26

2,2-Dichloropropane

Concen: 51.469 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065423.D

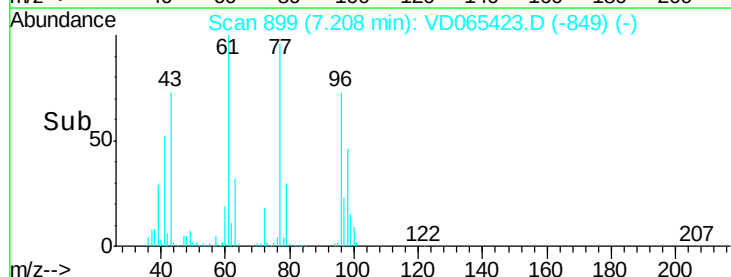
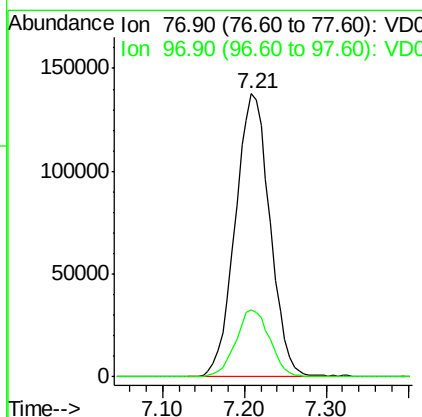
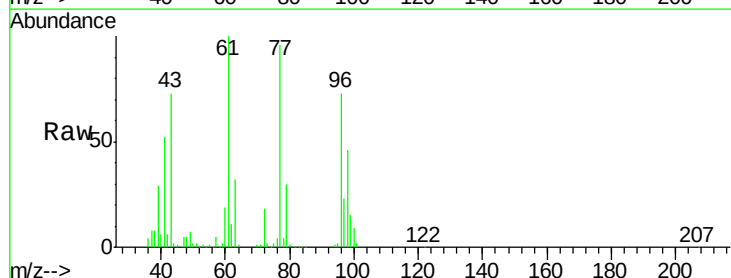
Acq: 05 Mar 2020 11:11

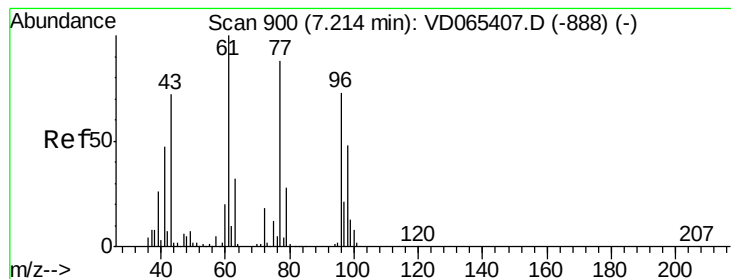
Tgt Ion: 77 Resp: 406250

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 51.184 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

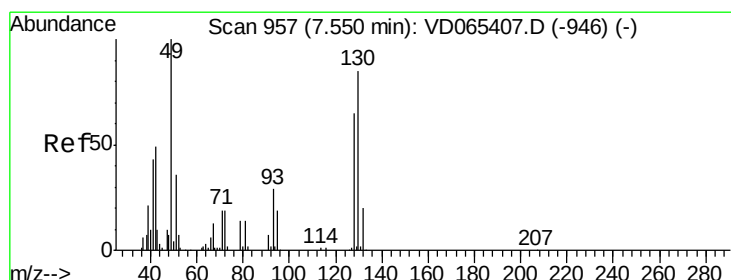
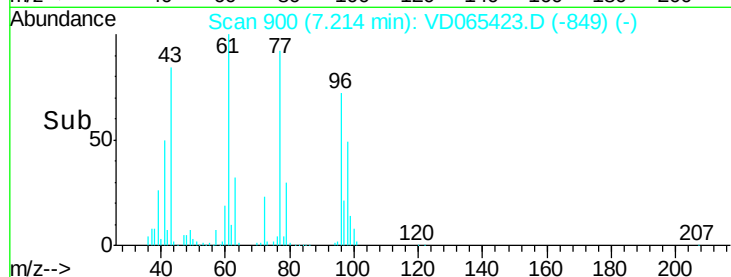
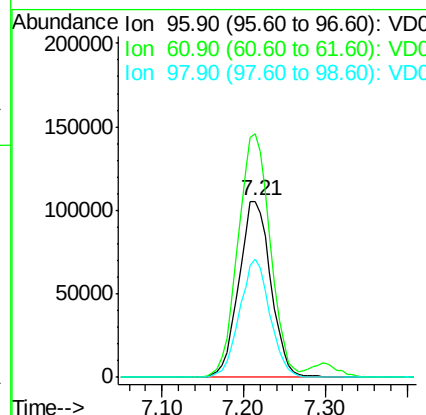
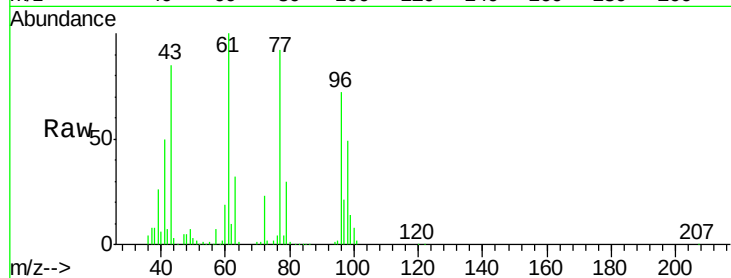
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	286989
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	280.4
98	63.5	0.0	132.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.711 ug/l

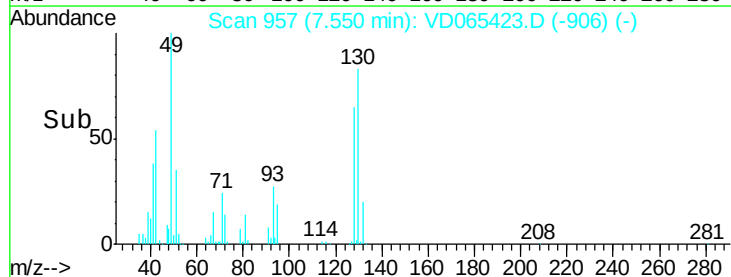
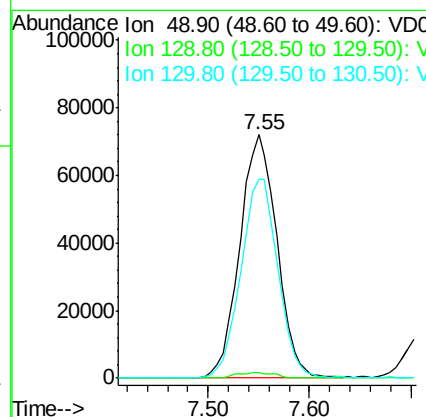
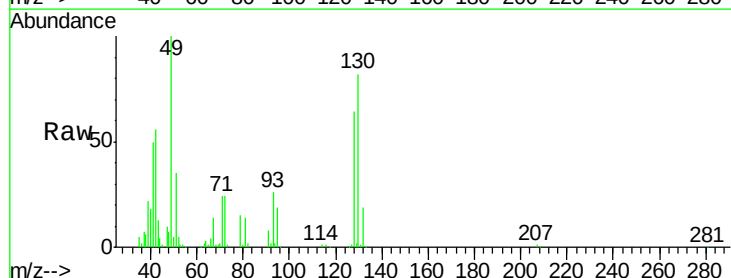
RT: 7.55 min Scan# 957

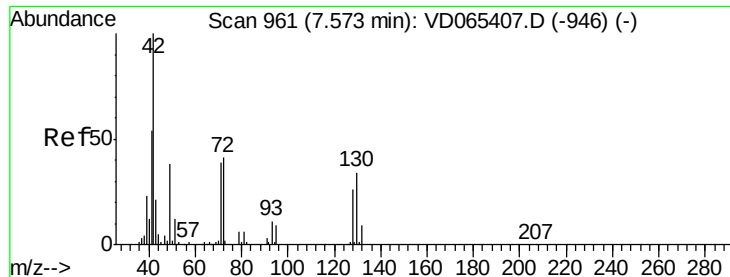
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	49	Resp:	183251
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	81.7	66.6	100.0





#29

Tetrahydrofuran

Concen: 249.181 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

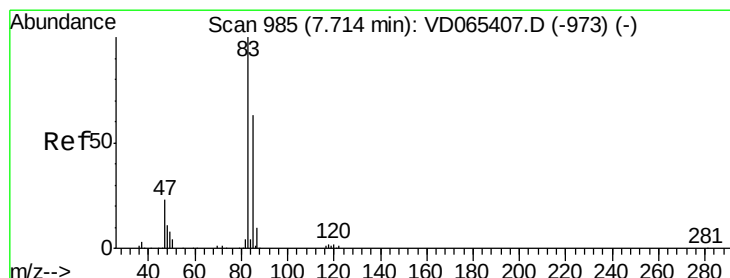
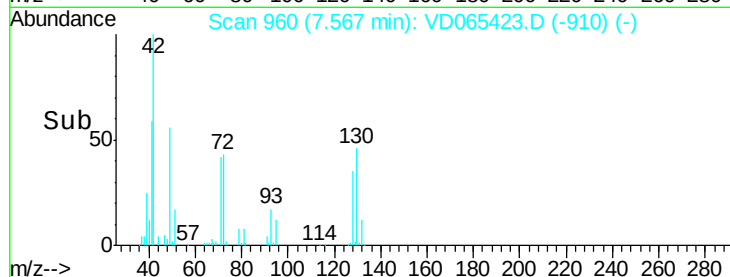
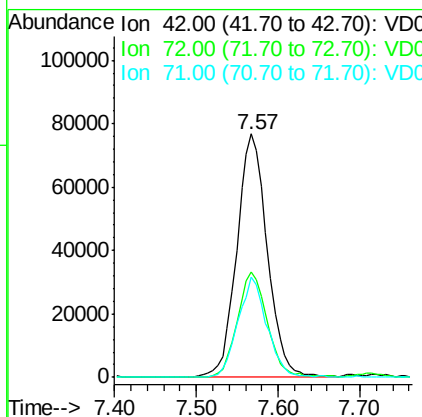
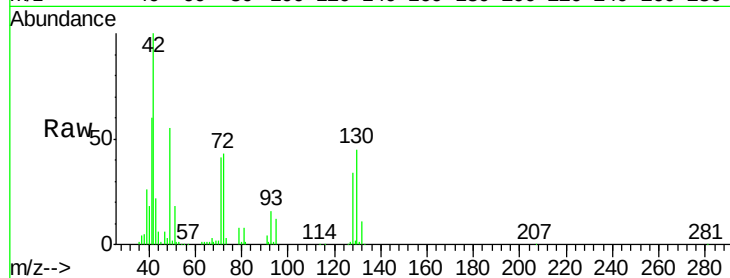
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.0	49.6
71	38.9	32.0	48.0

Manual Integrations
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3/6/2020 11:17:23 AM



#30

Chloroform

Concen: 50.282 ug/l

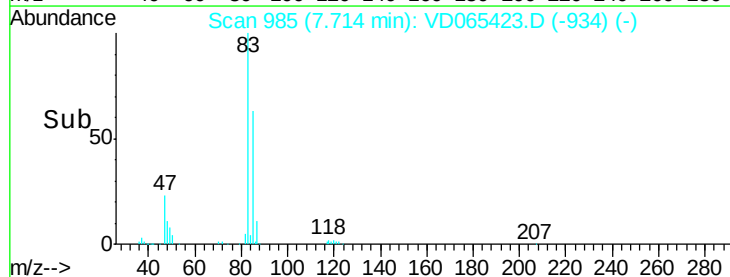
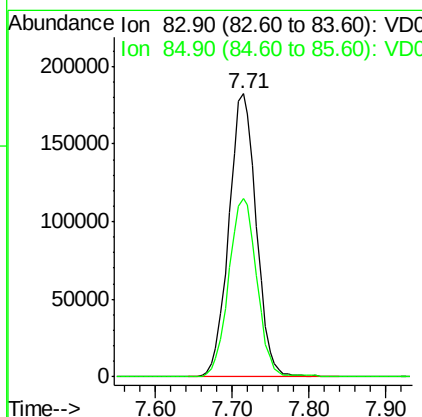
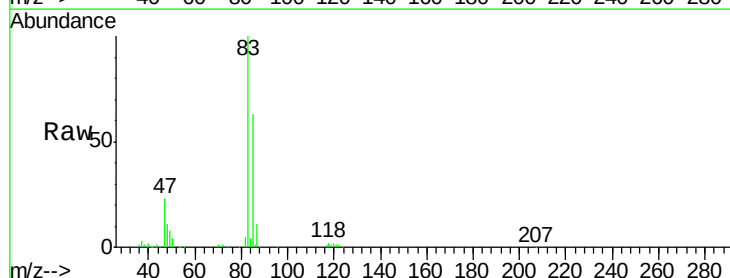
RT: 7.71 min Scan# 985

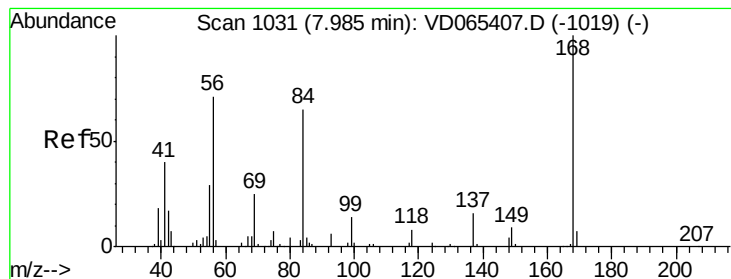
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.3	75.5





#31

Cyclohexane

Concen: 49.978 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

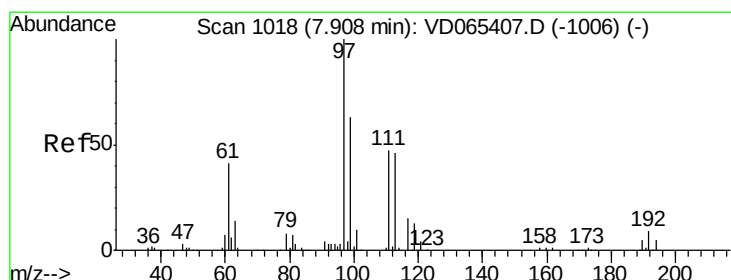
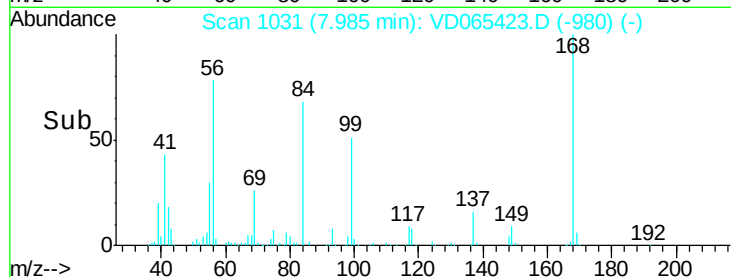
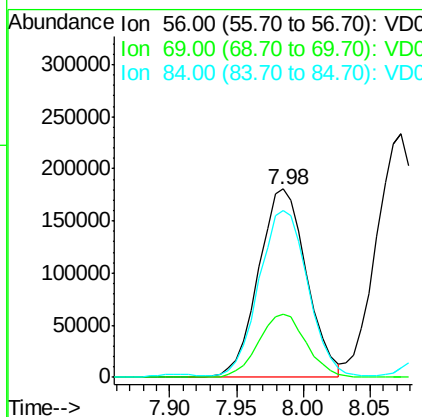
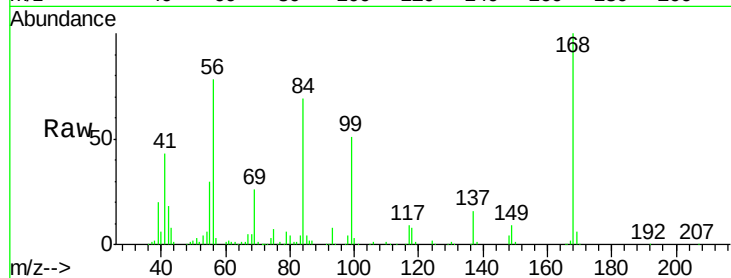
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	451383
Ion Ratio	Lower	Upper	
56	100		
69	33.8	28.3	42.5
84	87.5	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.523 ug/l

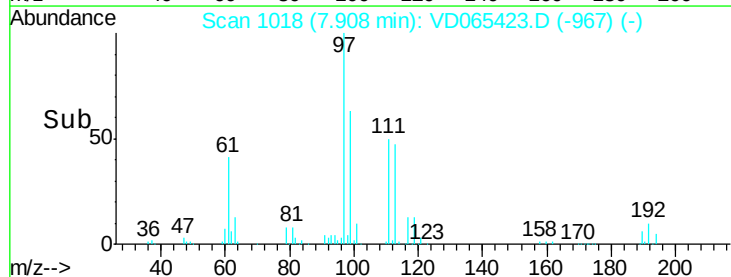
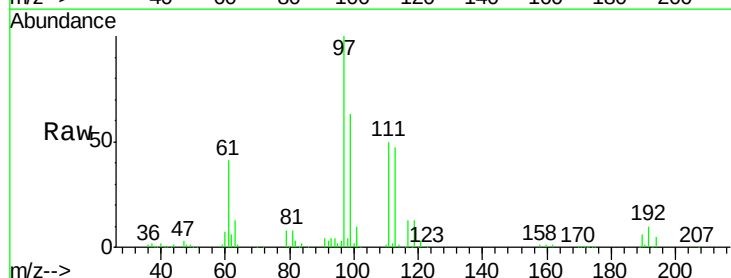
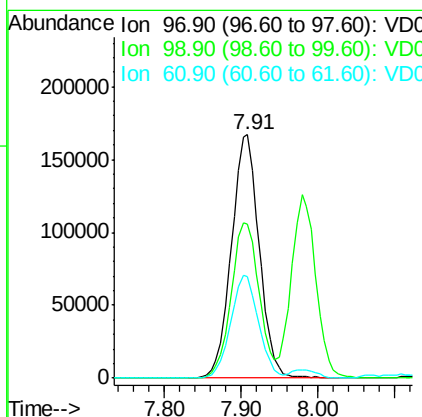
RT: 7.91 min Scan# 1018

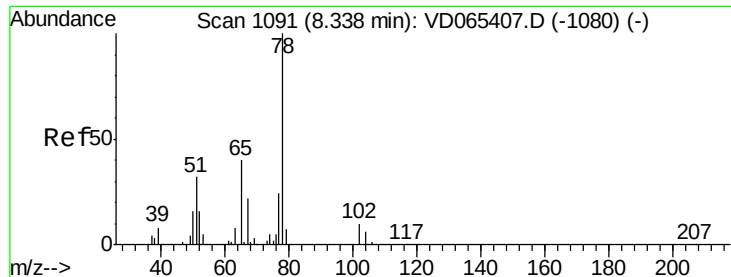
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	97	Resp:	421507
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.9	76.3
61	42.1	33.2	49.8





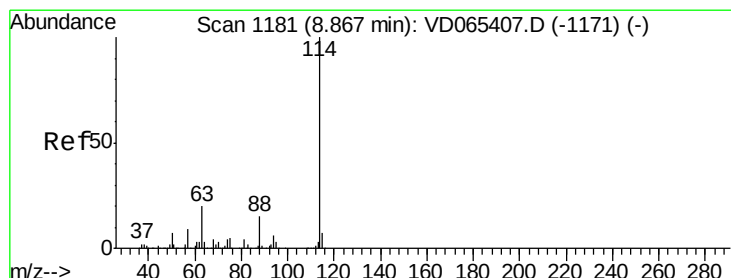
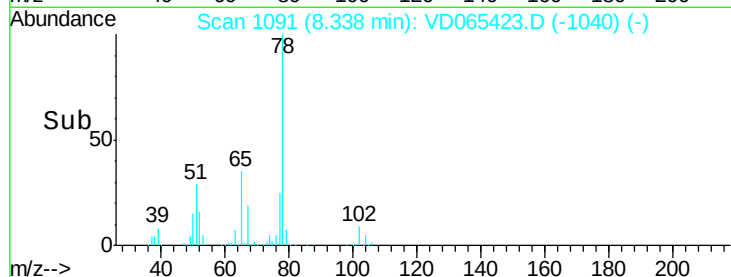
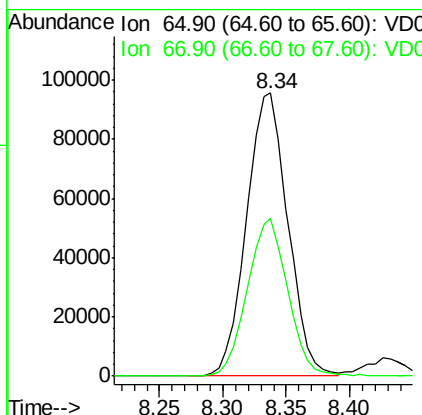
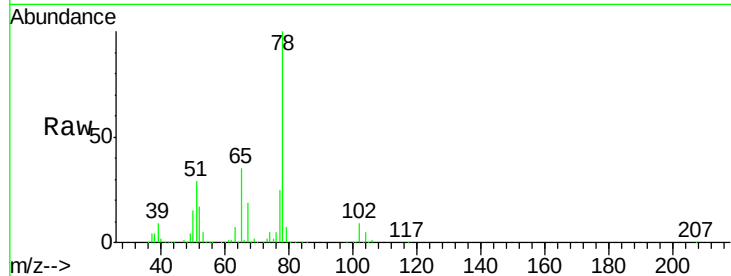
#33
 1,2-Dichloroethane-d4
 Concen: 47.628 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216623		
67	54.6	0.0	108.0	

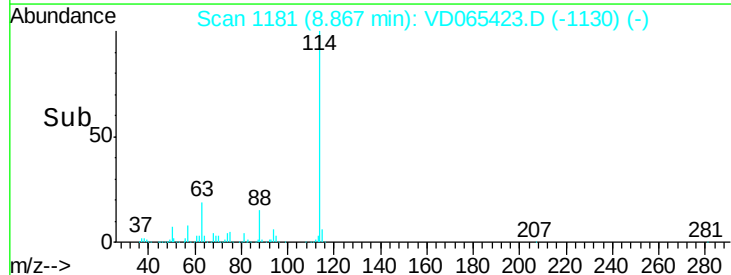
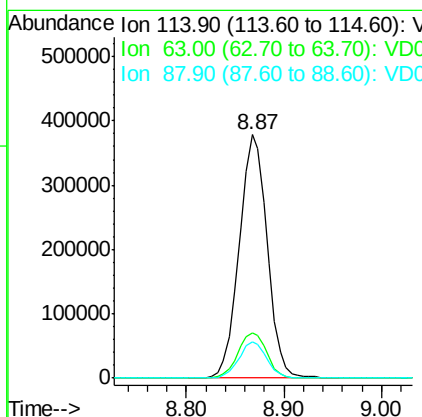
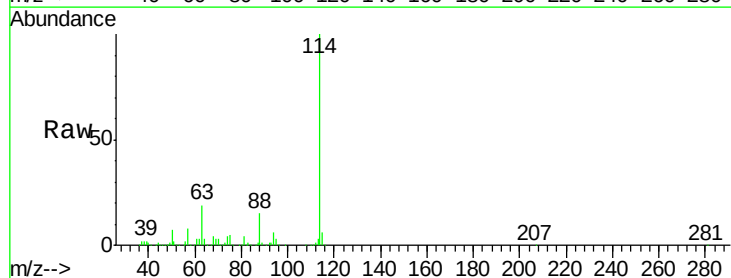
Manual Integrations
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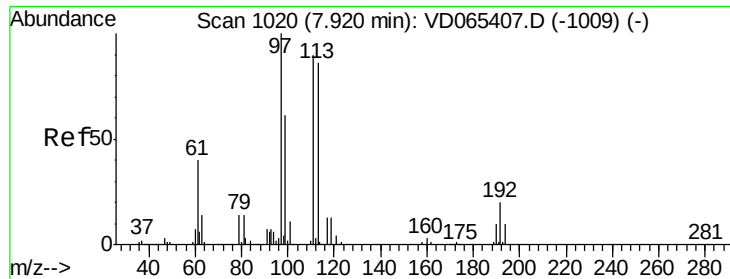
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	757263		
63	18.6	0.0	39.6	
88	15.0	0.0	30.4	





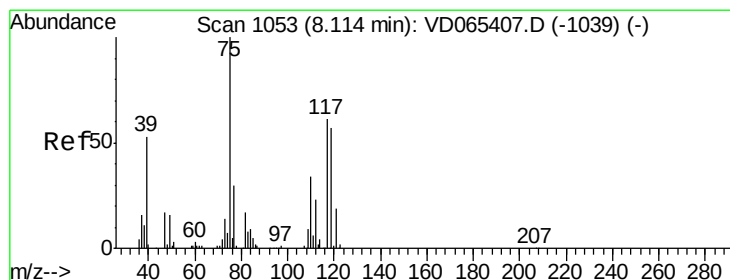
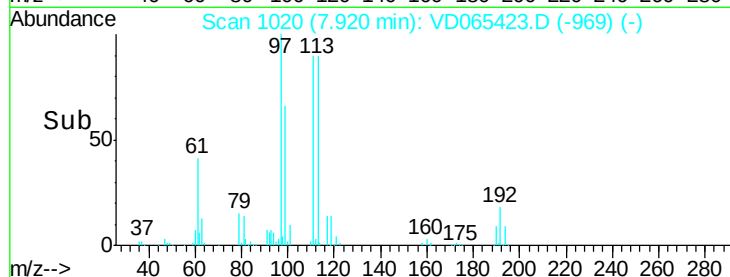
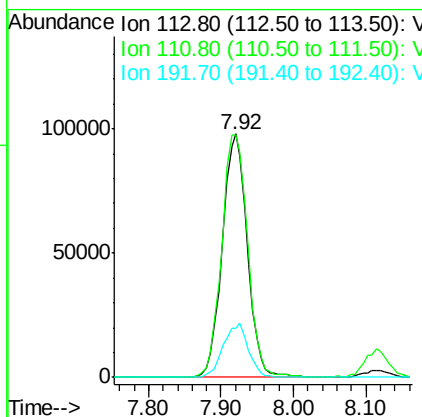
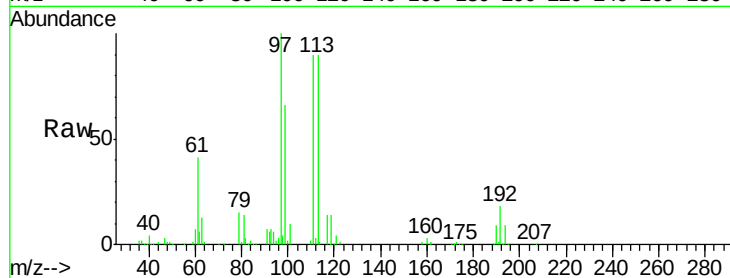
#35
 Dibromofluoromethane
 Concen: 50.013 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	22.3	17.2	25.8

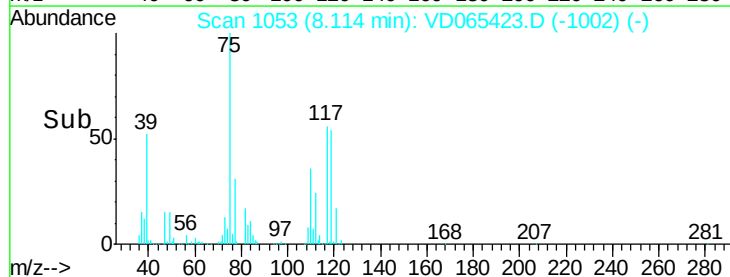
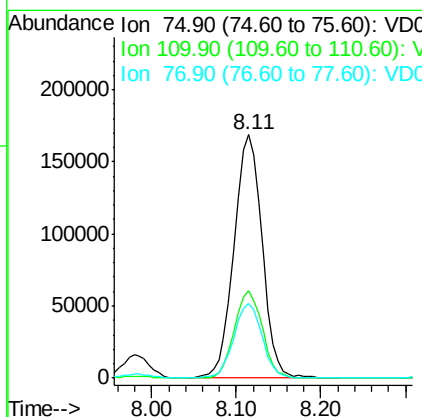
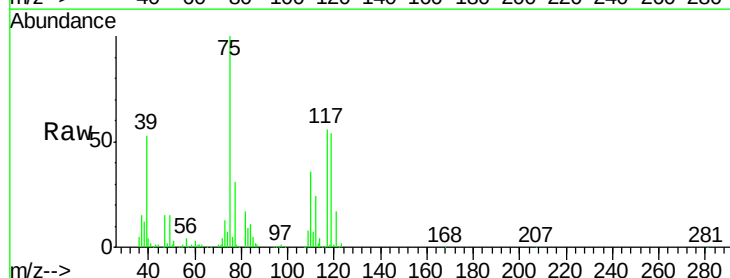
Manual Integrations
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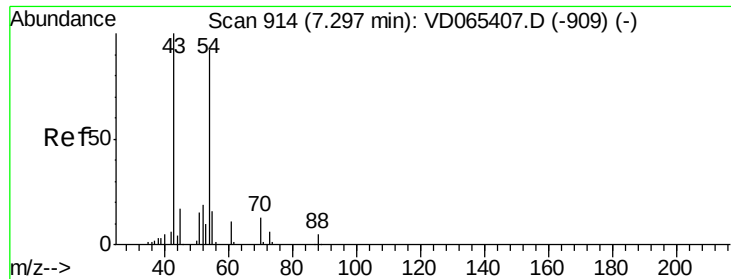
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 53.133 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	31.0	25.2	37.8





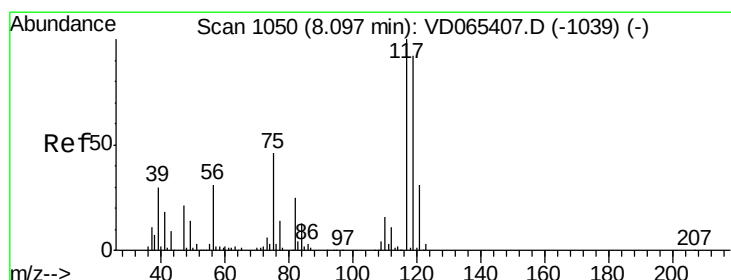
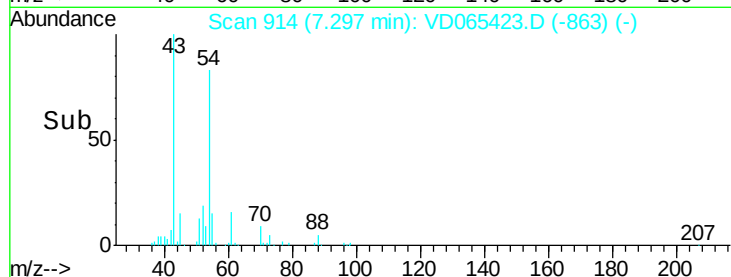
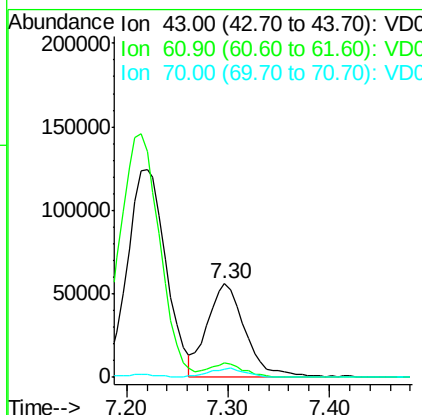
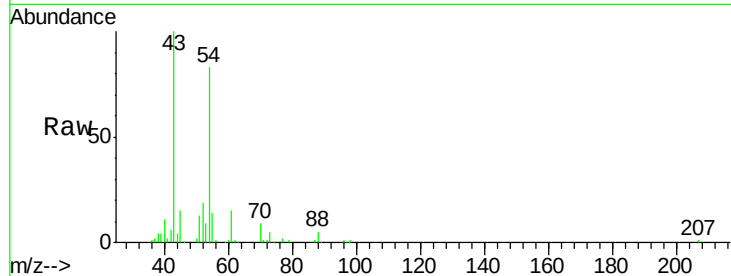
#37
Ethyl Acetate
Concen: 51.463 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.4	17.0
70	9.5	9.0	13.4

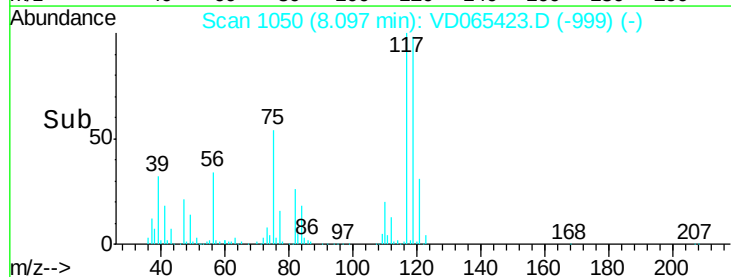
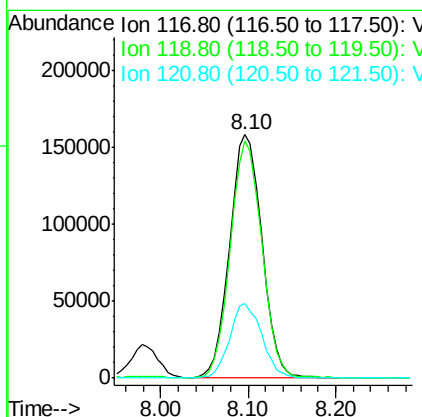
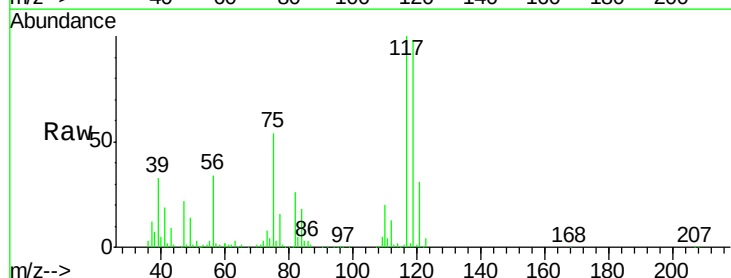
Manual Integrations
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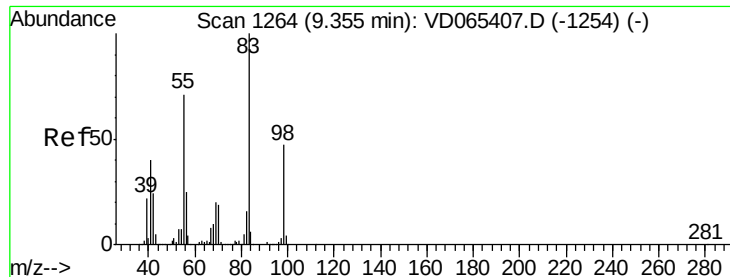
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.422 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	73.3	109.9
121	30.9	25.0	37.4





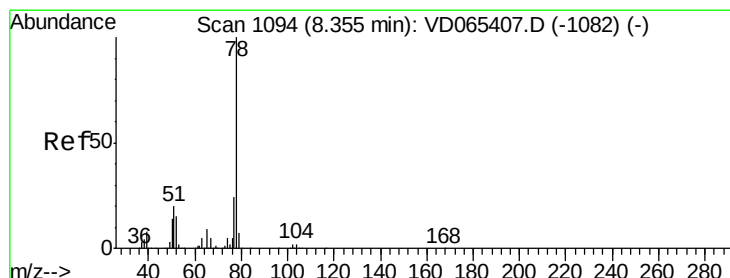
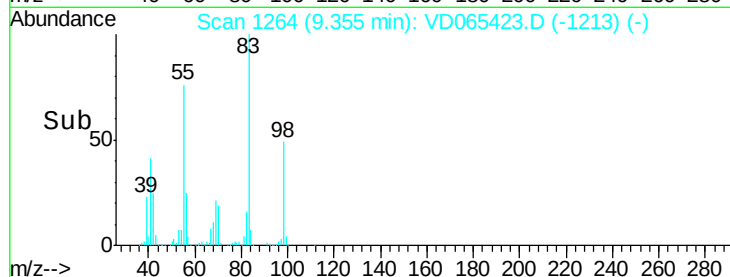
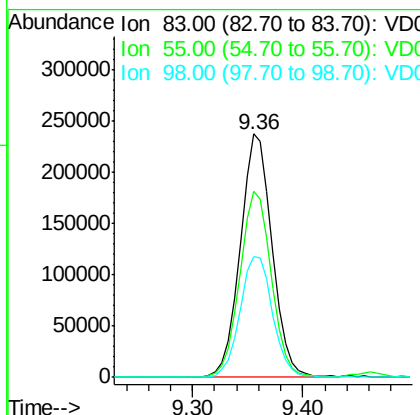
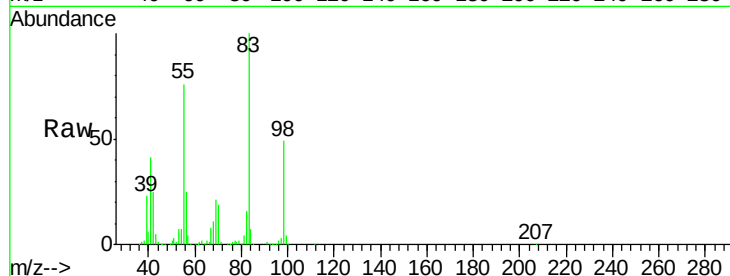
#39
Methylvlcyclohexane
Concen: 54.806 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	57.1	85.7
98	49.4	37.8	56.8

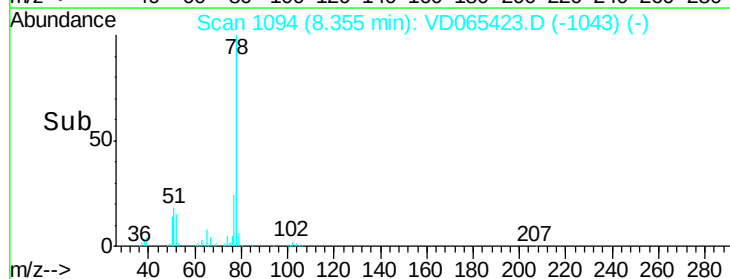
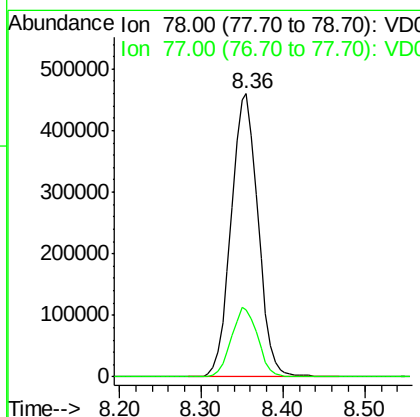
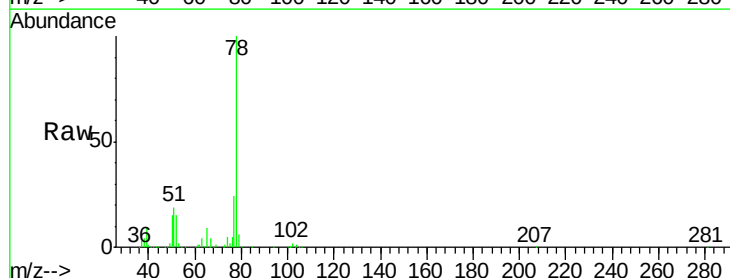
Manual Integrations
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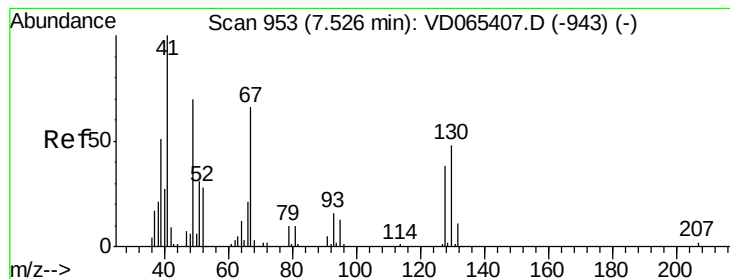
MMDadoda
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#40
Benzene
Concen: 51.846 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





#41

Methacrylonitrile

Concen: 56.147 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 83310

Ion Ratio Lower Upper

41 100

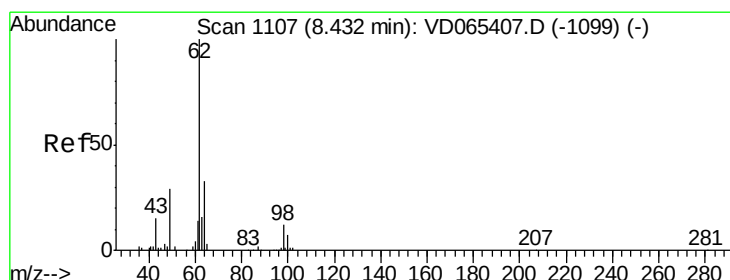
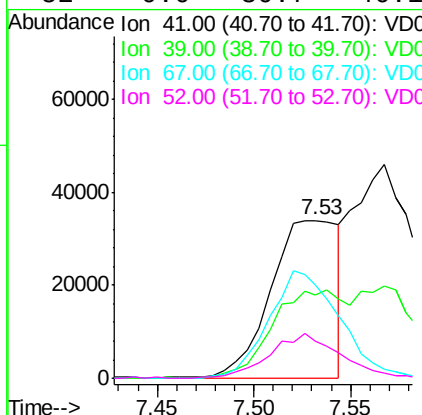
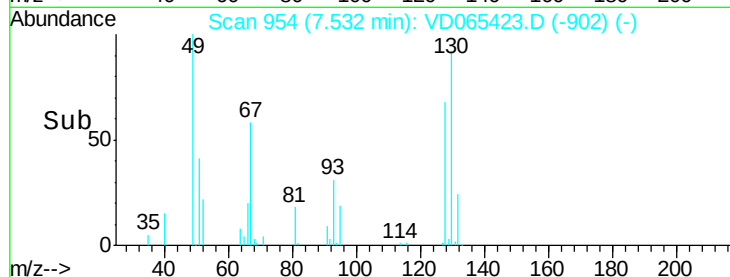
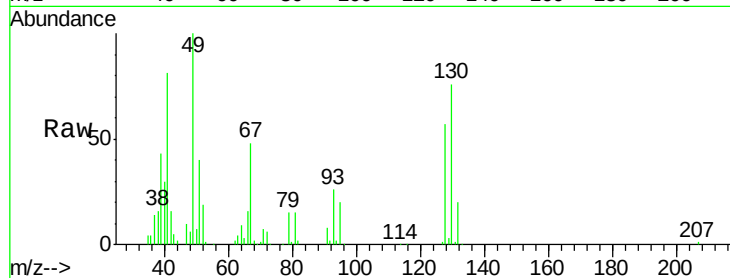
39 0.0 55.0 82.6#

67 0.0 70.3 105.5#

52 0.0 30.7 46.1#

Manual Integrations
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3/6/2020 11:17:23 AM



#42

1,2-Dichloroethane

Concen: 50.353 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065423.D

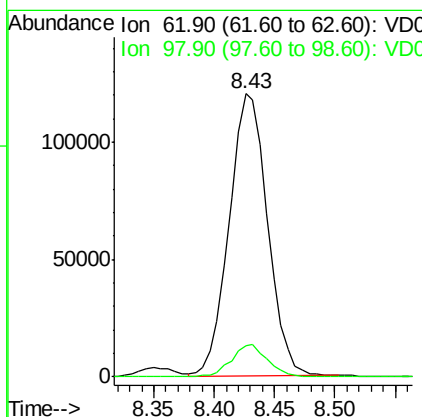
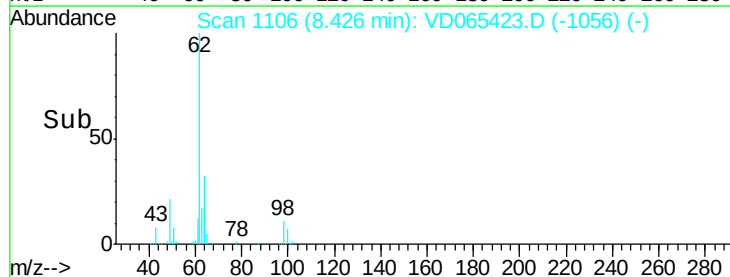
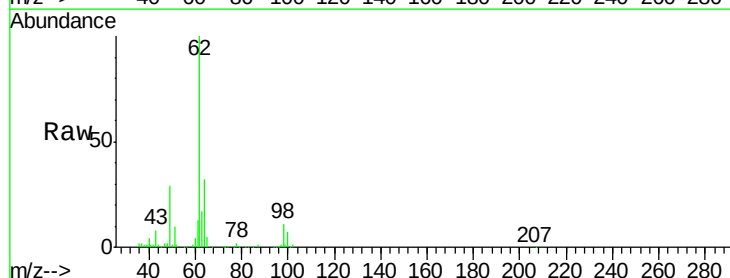
Acq: 05 Mar 2020 11:11

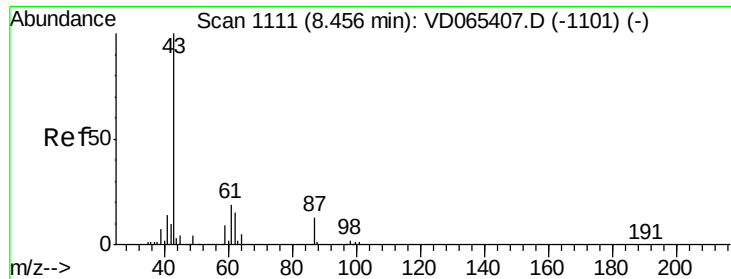
Tgt Ion: 62 Resp: 266855

Ion Ratio Lower Upper

62 100

98 10.7 0.0 21.4





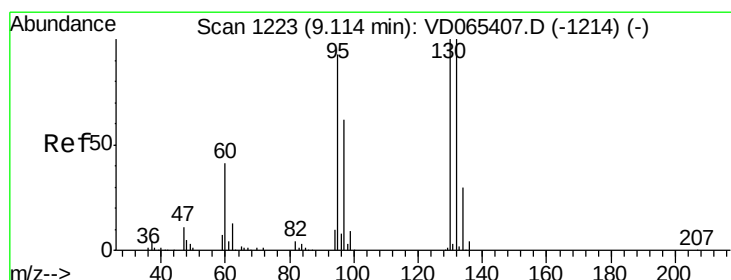
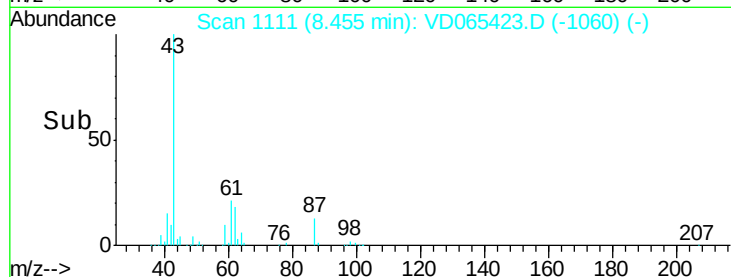
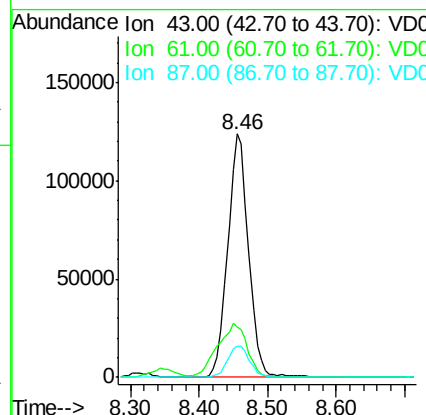
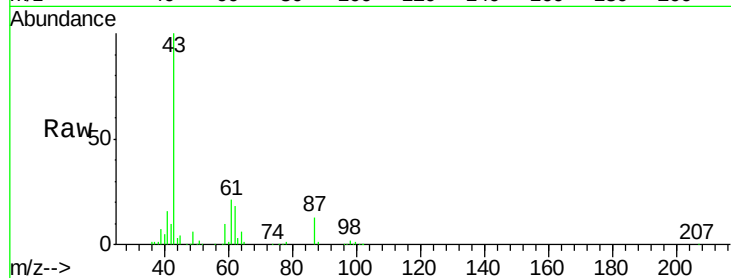
#43
Isopropyl Acetate
Concen: 50.371 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.0	37.6
87	13.4	11.0	16.4

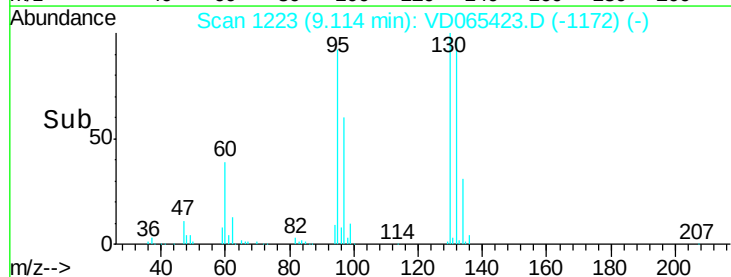
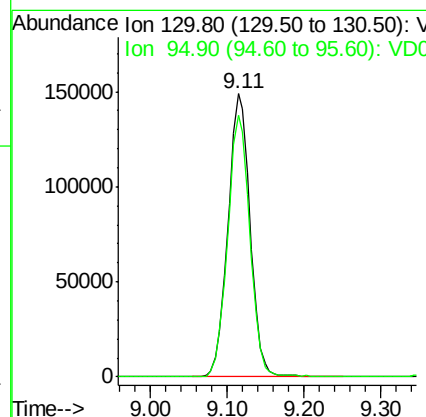
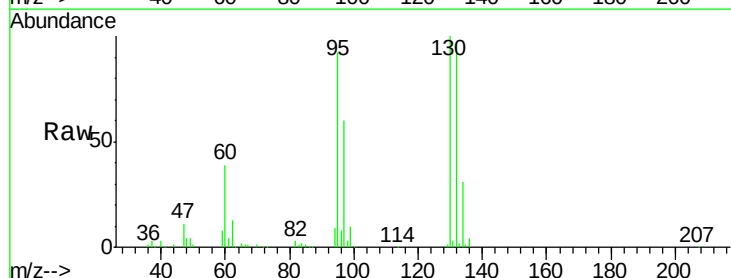
Manual Integrations
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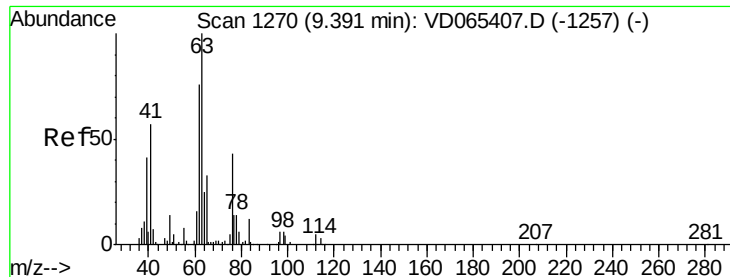
MMDadoda
3/6/2020 11:17:23 AM



#44
Trichloroethene
Concen: 52.040 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	186.0





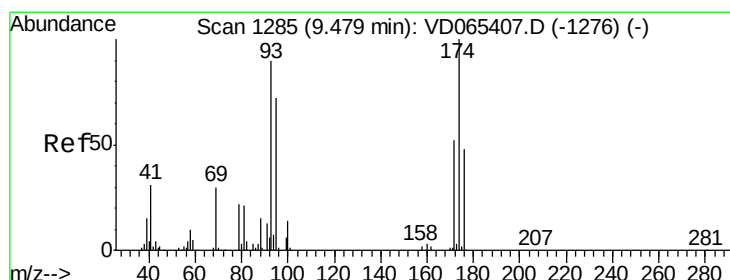
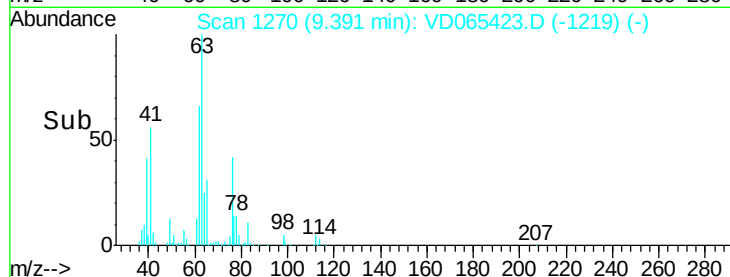
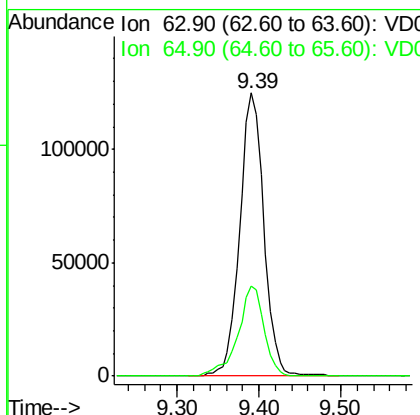
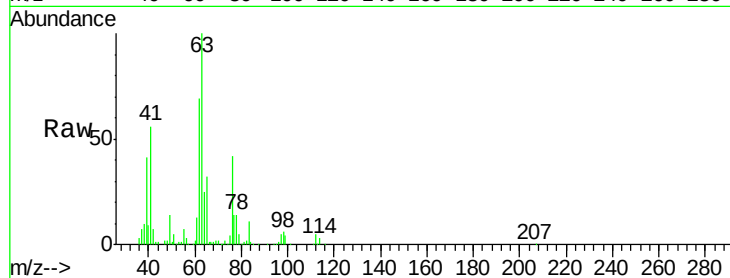
#45
 1,2-Dichloropropane
 Concen: 52.283 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	257033		
65	31.8		26.4	39.6

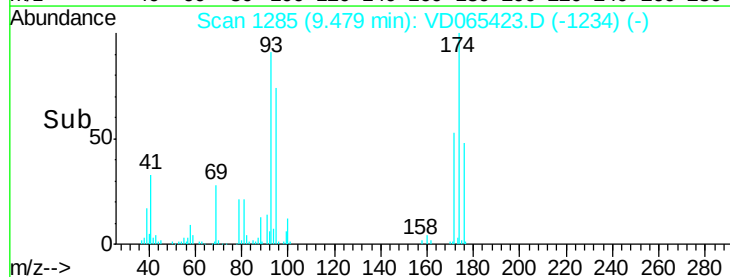
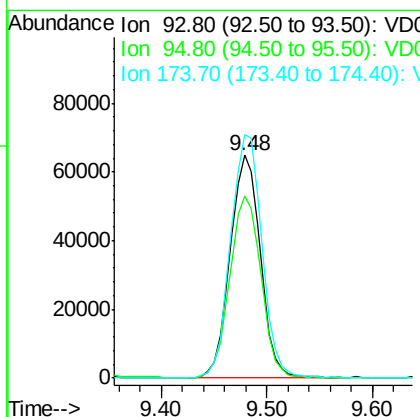
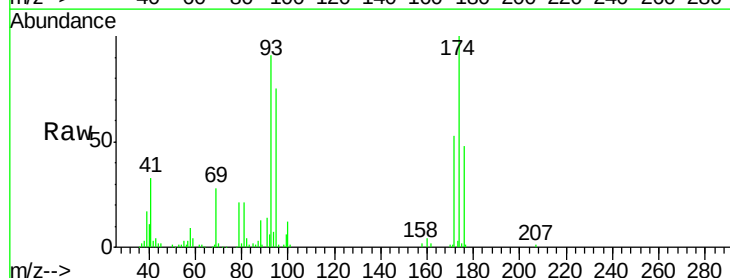
Manual Integrations
 APPROVED

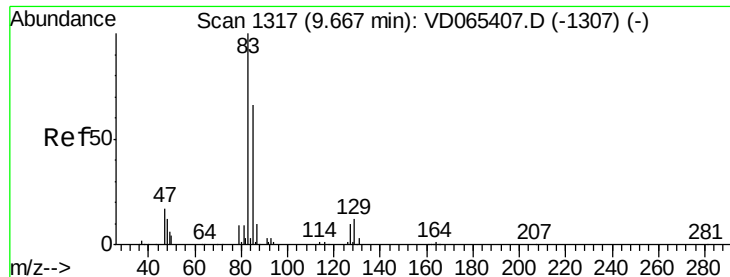
MMDadoda
 3/6/2020 11:17:23 AM



#46
 Dibromomethane
 Concen: 50.510 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	128803		
95	84.4		65.0	97.6
174	112.4		88.3	132.5





#47

Bromodichloromethane

Concen: 51.279 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

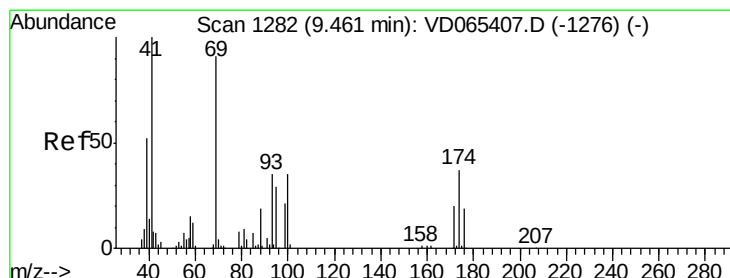
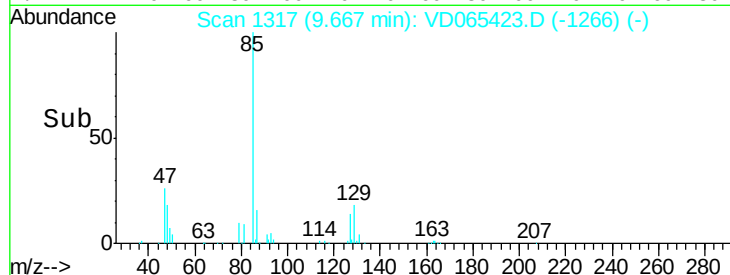
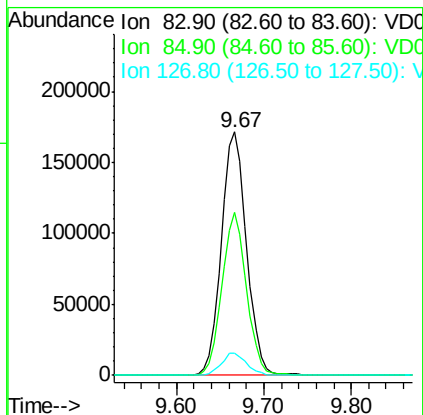
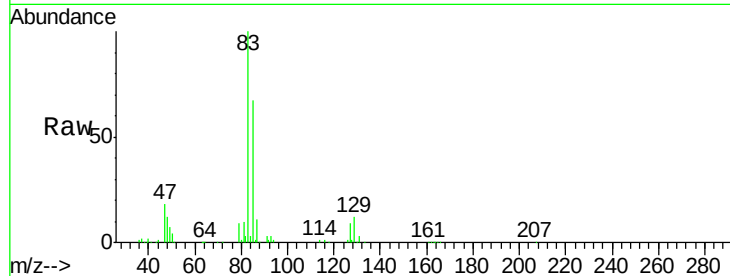
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	340190
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.8	79.2
127	9.1	8.0	12.0

Manual Integrations
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MMDadoda
3/6/2020 11:17:23 AM



#48

Methyl methacrylate

Concen: 50.444 ug/l

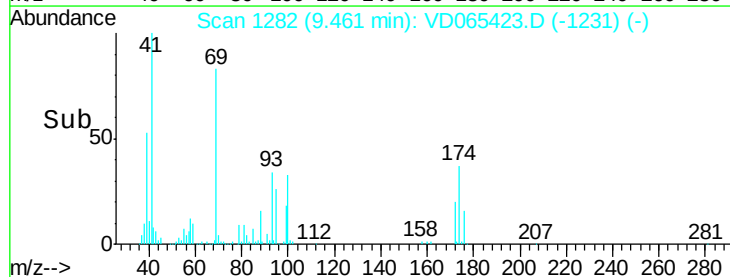
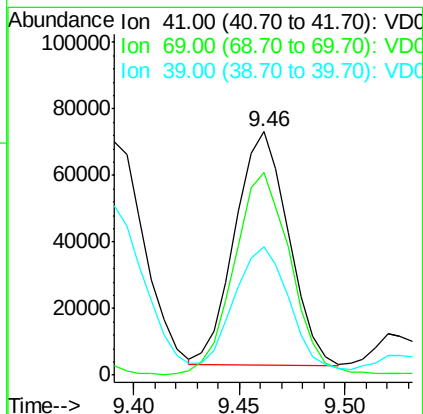
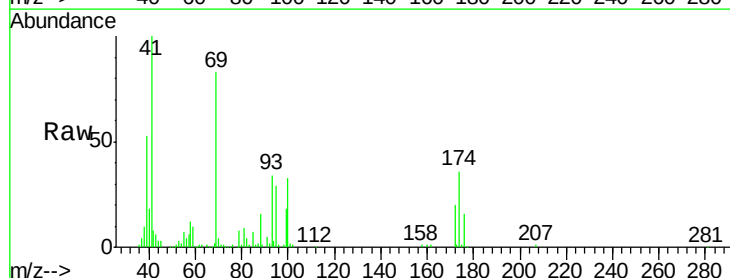
RT: 9.46 min Scan# 1282

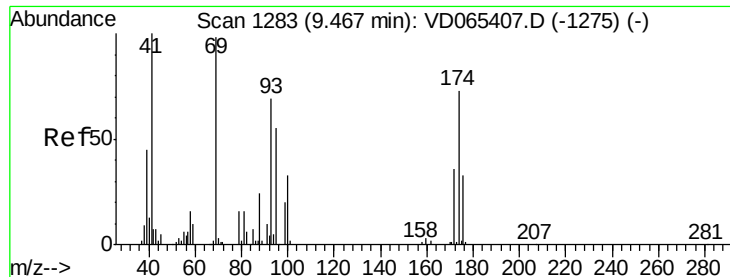
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	41	Resp:	122925
Ion	Ratio	Lower	Upper
41	100		
69	91.9	72.5	108.7
39	54.3	41.6	62.4





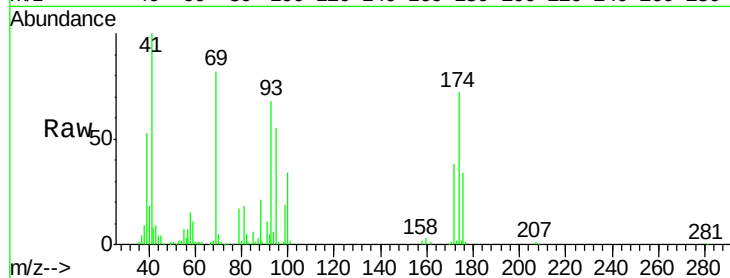
#49
1,4-Dioxane
Concen: 921.935 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	24.5	36.7
58	70.8	54.5	81.7

Manual Integrations
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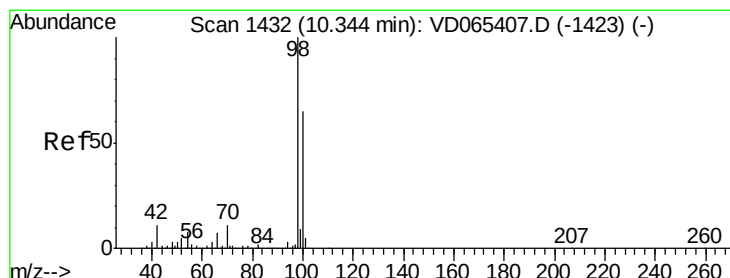
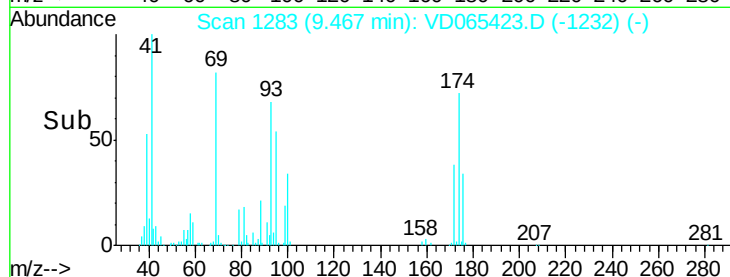
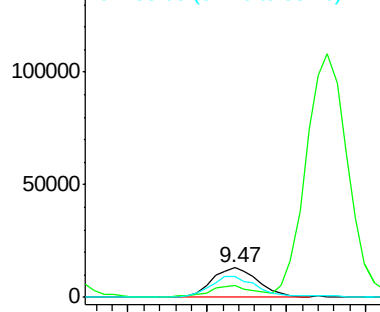


Abundance

Ion 88.00 (87.70 to 88.70): VDC

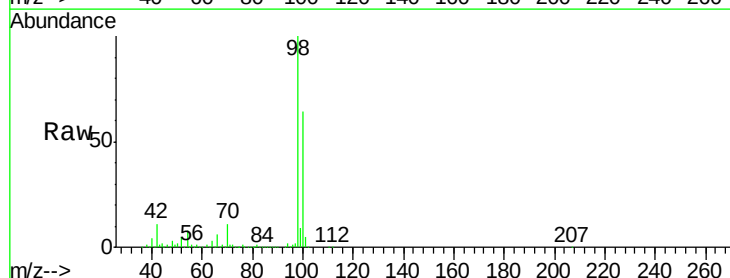
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 52.108 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

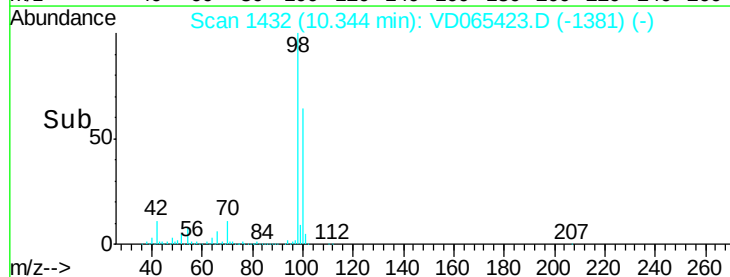
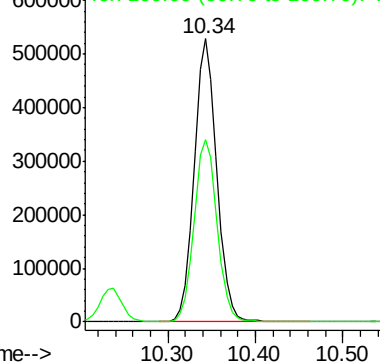
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2

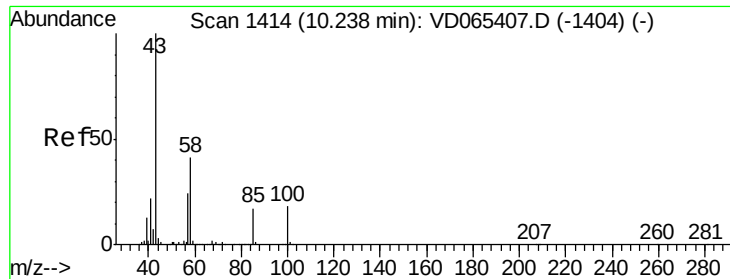


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 262.525 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 684382

Ion Ratio Lower Upper

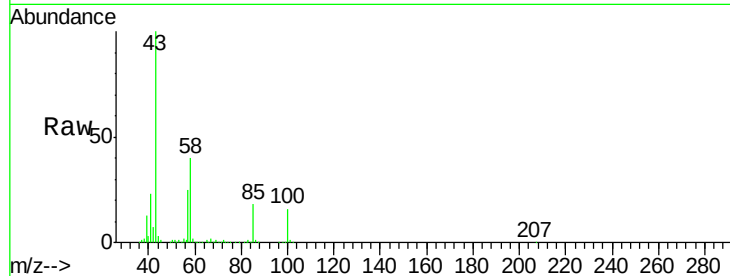
43 100

58 40.2 31.8 47.6

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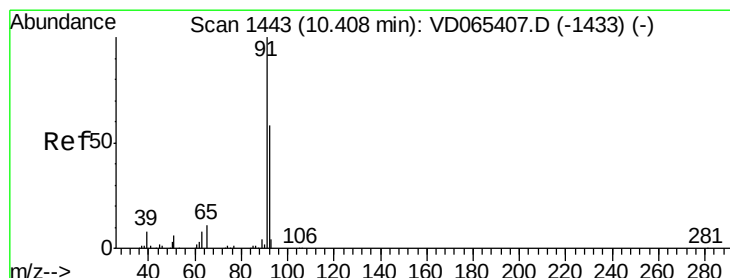
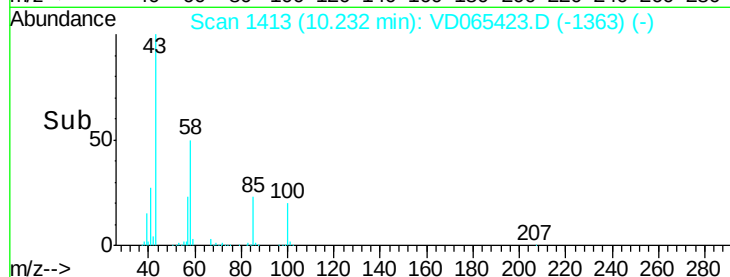
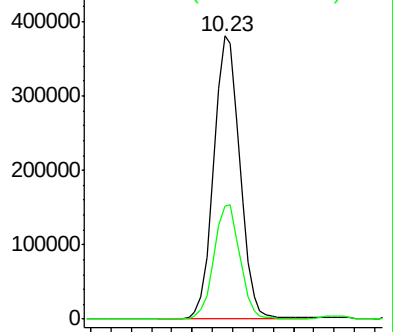
MMDadoda

3/6/2020 11:17:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.427 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065423.D

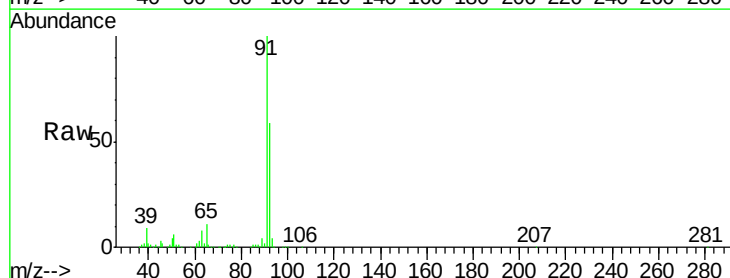
Acq: 05 Mar 2020 11:11

Tgt Ion: 92 Resp: 670308

Ion Ratio Lower Upper

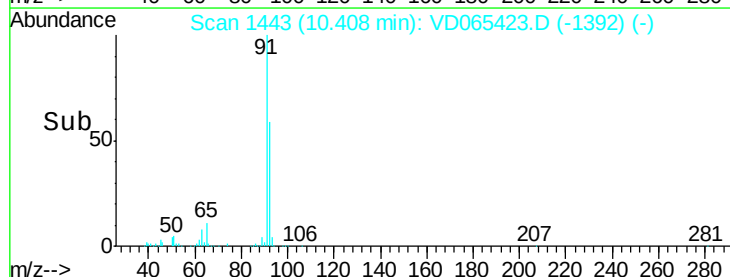
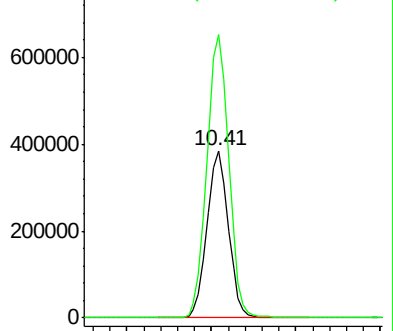
92 100

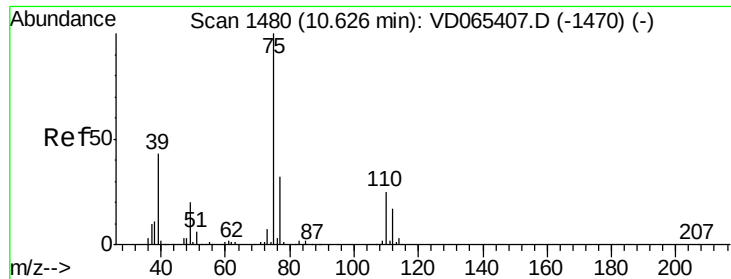
91 173.0 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





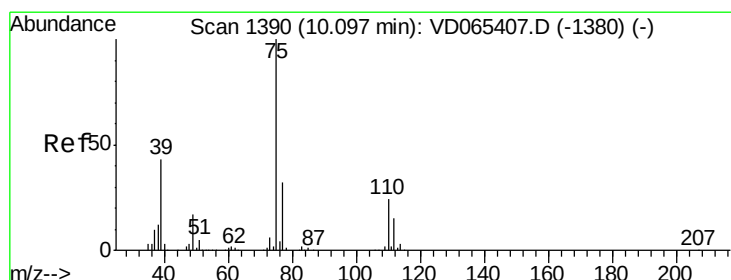
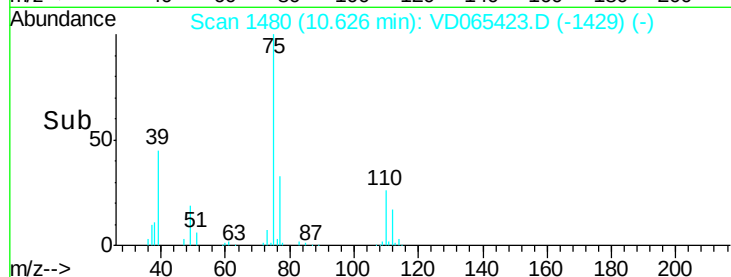
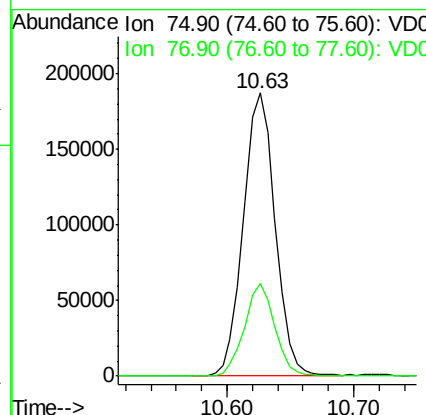
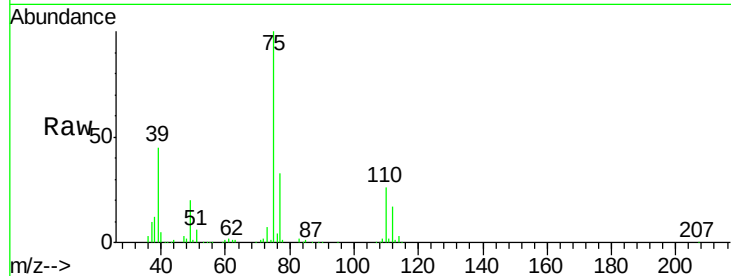
#53
 t-1,3-Dichloropropene
 Concen: 52.706 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 326763
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2

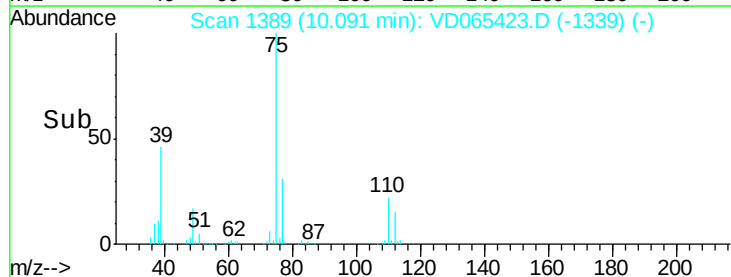
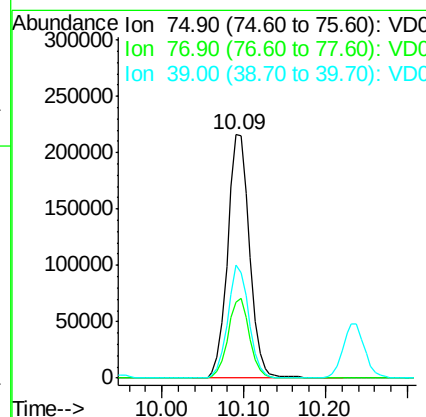
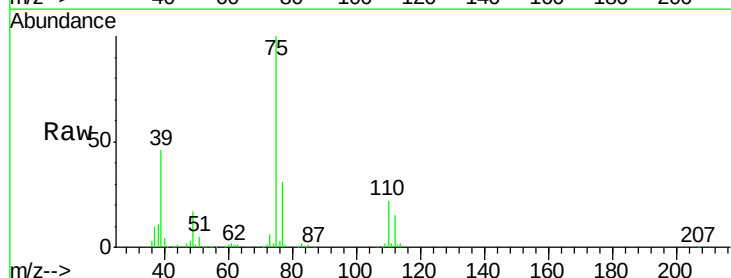
Manual Integrations
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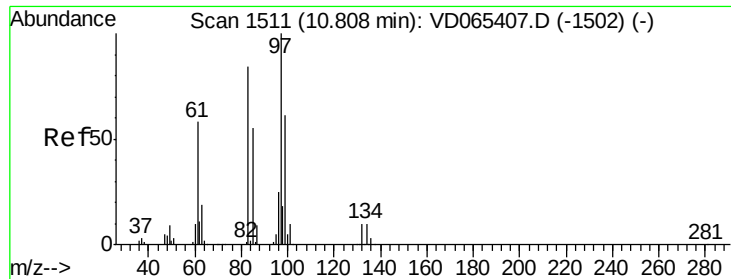
MMDadoda
 3/6/2020 11:17:23 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.654 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 75 Resp: 402636
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 46.1 34.6 52.0





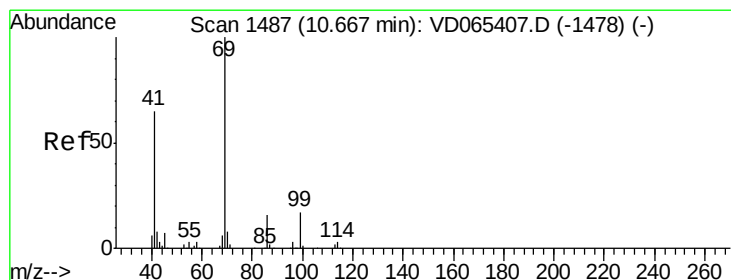
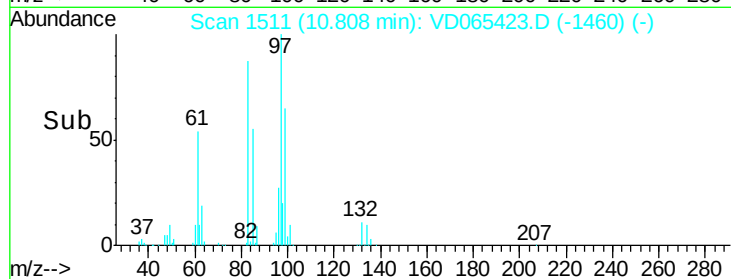
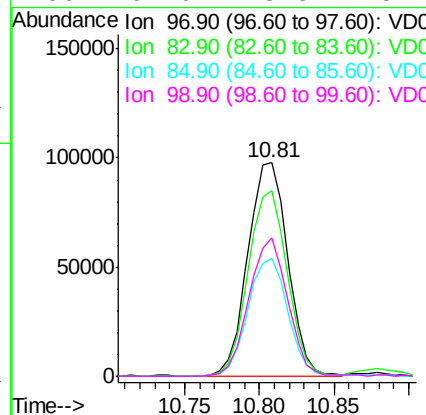
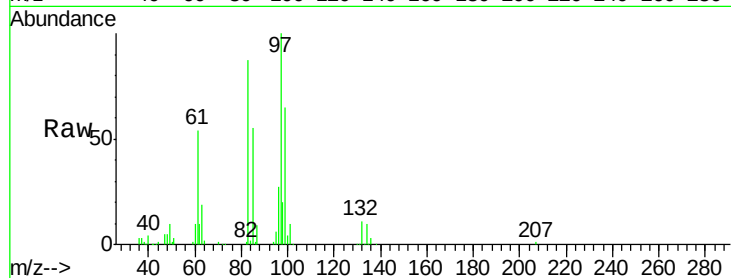
#55
 1,1,2-Trichloroethane
 Concen: 50.323 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	181755
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.4	101.0
85	55.4	43.8	65.8
99	64.9	48.8	73.2

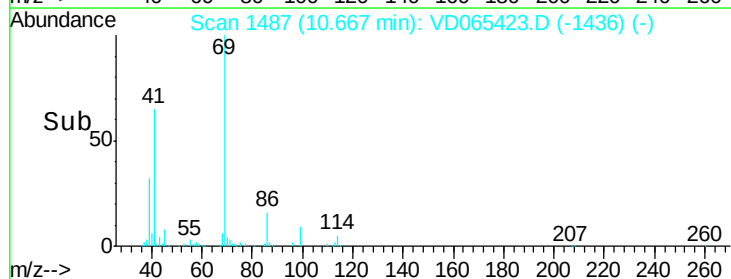
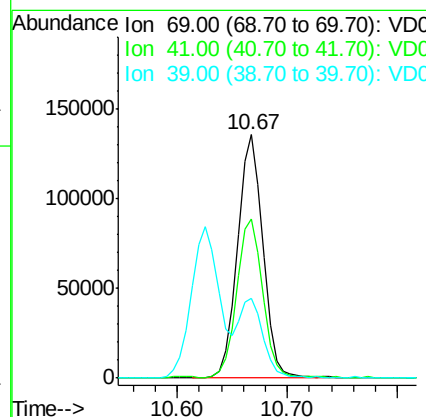
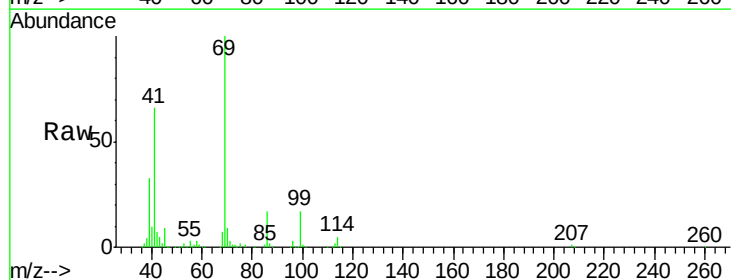
Manual Integrations
 APPROVED

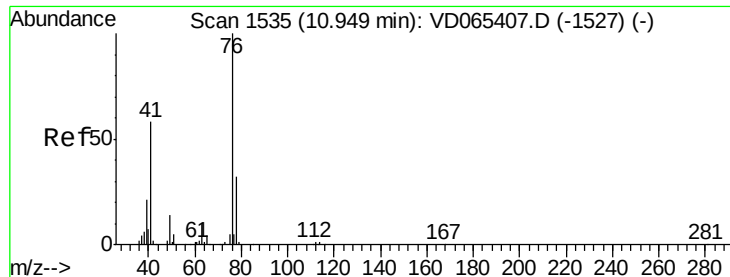
MMDadoda
 3/6/2020 11:17:23 AM



#56
 Ethyl methacrylate
 Concen: 54.186 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion:	69	Resp:	220630
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.0	79.6
39	31.0	26.0	39.0





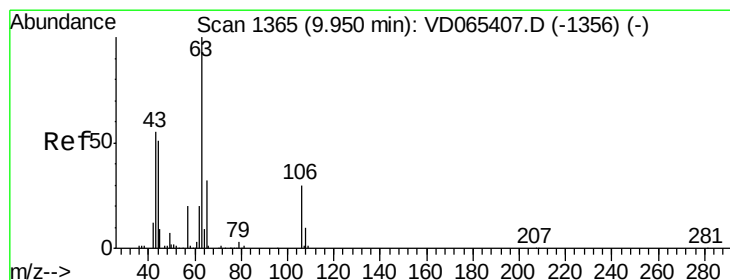
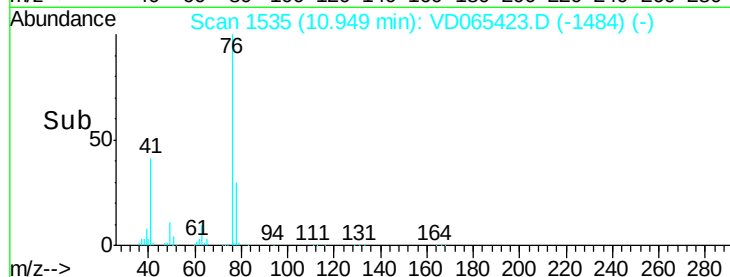
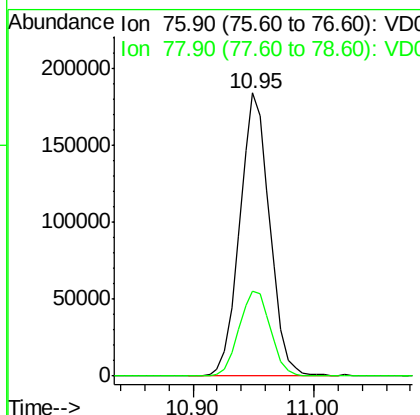
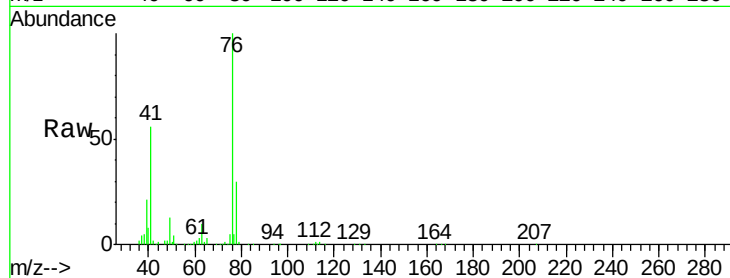
#57
 1,3-Dichloropropane
 Concen: 52.147 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

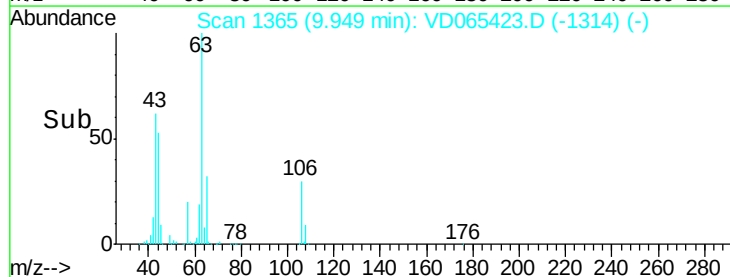
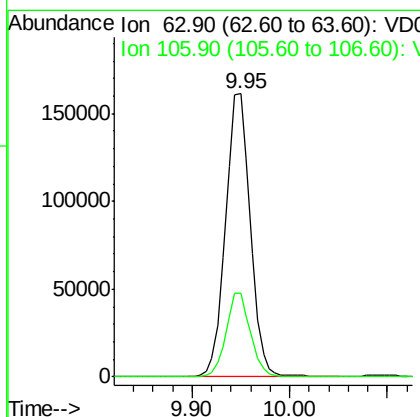
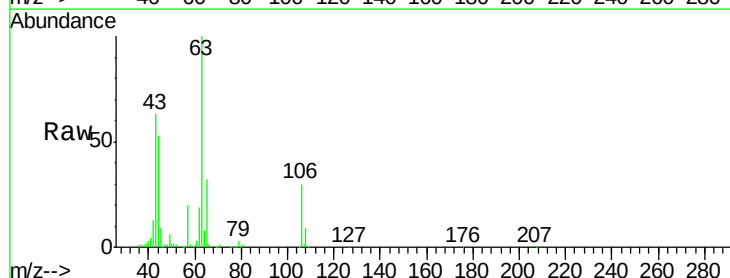
Manual Integrations
 APPROVED

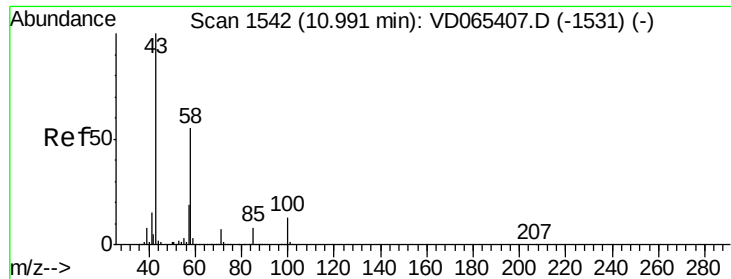
MMDadoda
 3/6/2020 11:17:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.268 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.3	34.9





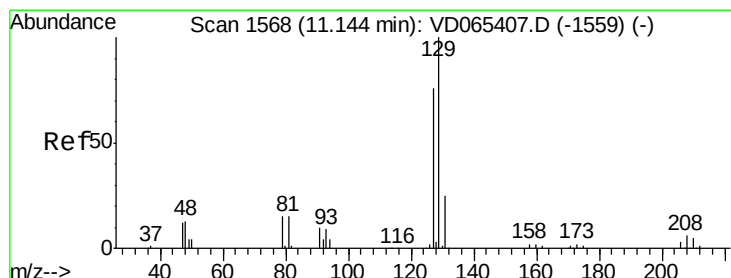
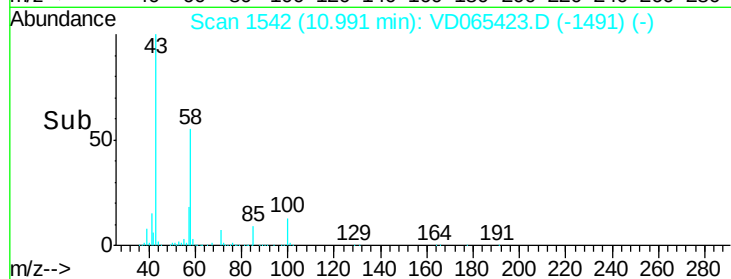
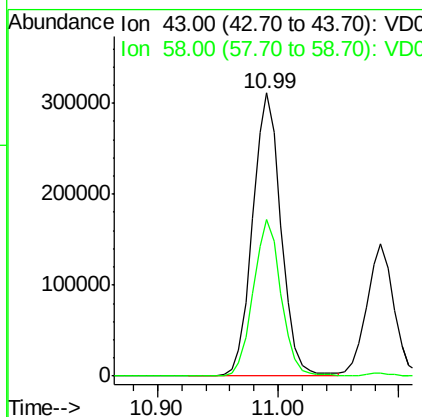
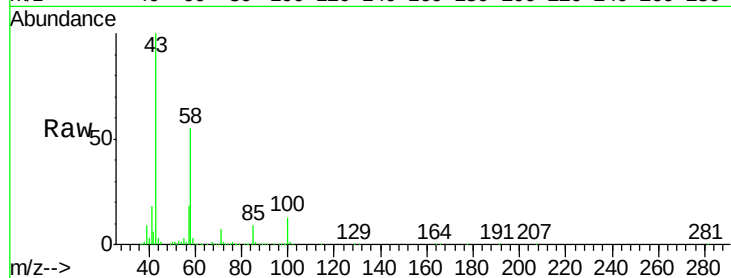
#59
2-Hexanone
Concen: 283.778 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	512110
Ion Ratio	100	Lower	Upper
43	100		
58	54.2	27.4	82.2

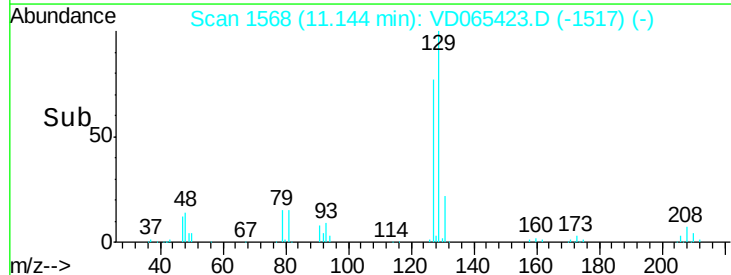
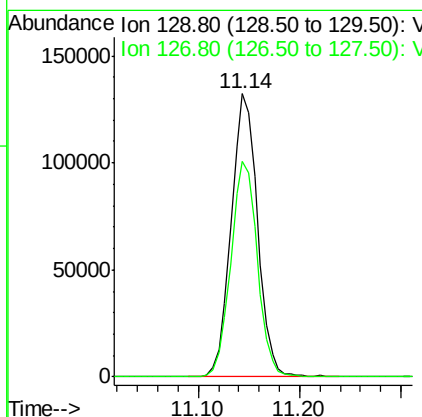
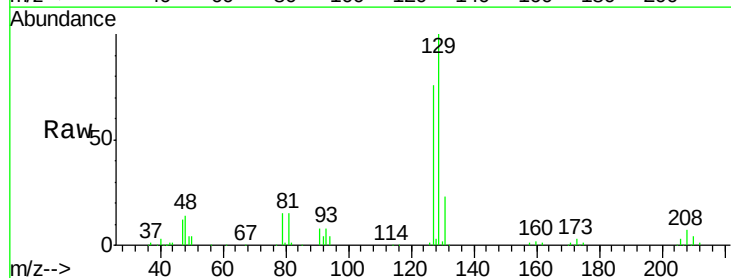
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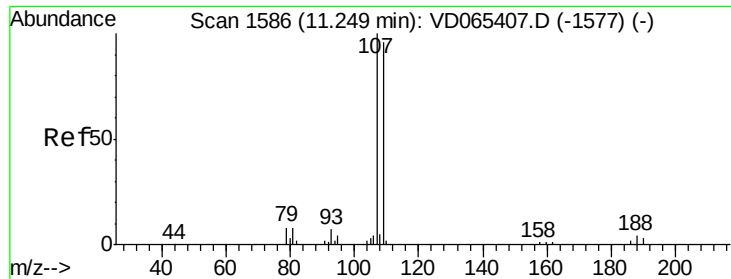
MMDadoda
3/6/2020 11:17:23 AM



#60
Dibromochloromethane
Concen: 51.440 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	129	Resp	238152	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.0	38.5	115.5	





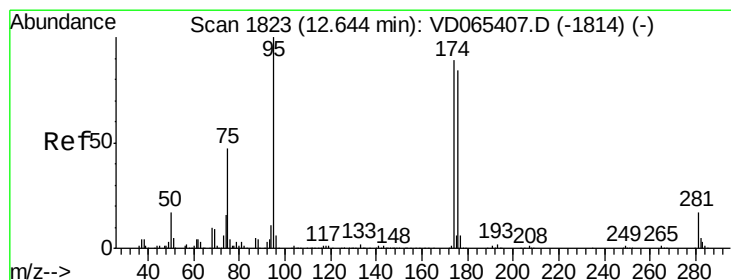
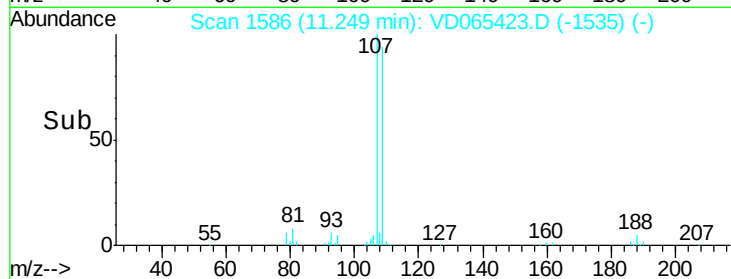
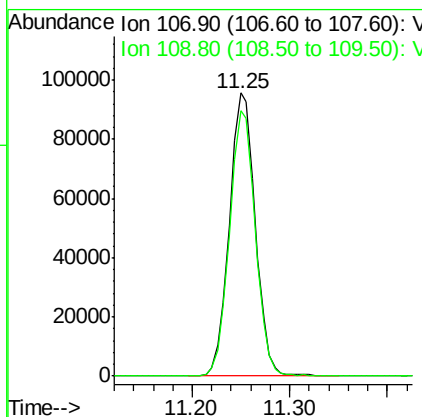
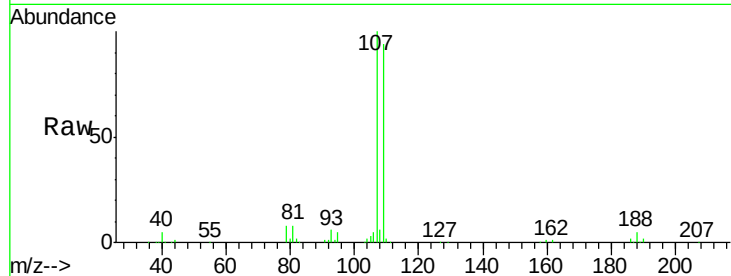
#61
 1,2-Dibromoethane
 Concen: 51.073 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 175949
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.8 115.2

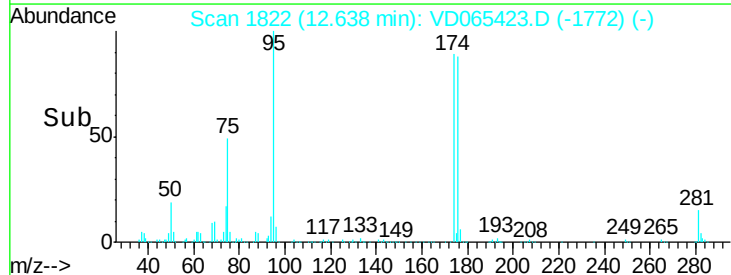
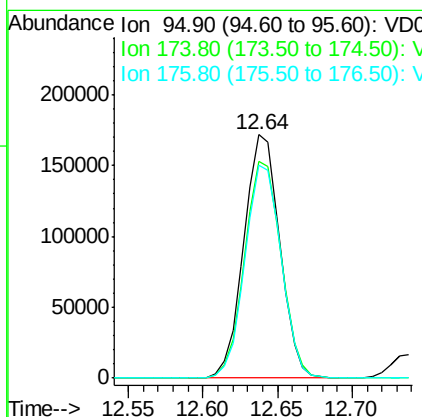
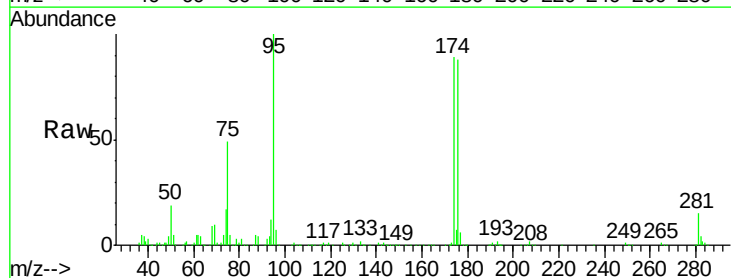
Manual Integrations
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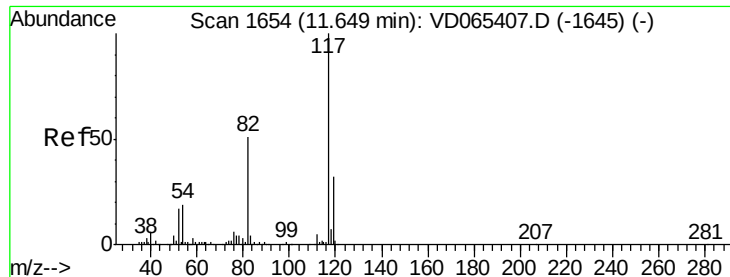
MMDadoda
 3/6/2020 11:17:23 AM



#62
 4-Bromofluorobenzene
 Concen: 51.559 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion: 95 Resp: 285953
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 176.8
 176 88.0 0.0 171.4





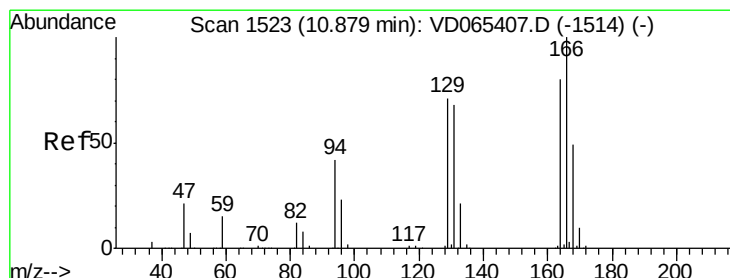
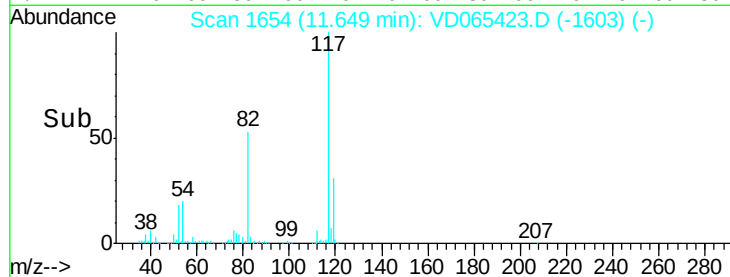
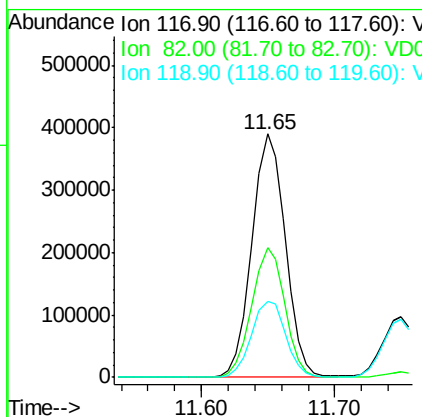
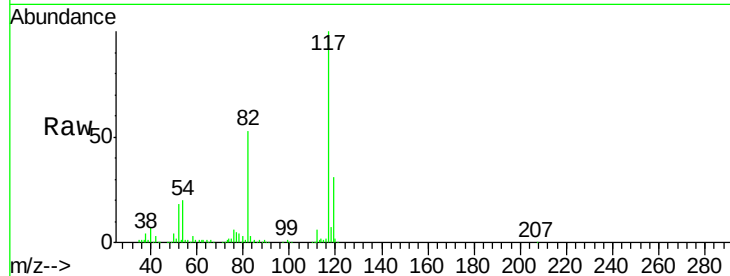
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117	Resp:	673784
Ion Ratio	Lower	Upper
117 100		
82 53.4	40.6	60.8
119 31.3	25.4	38.2

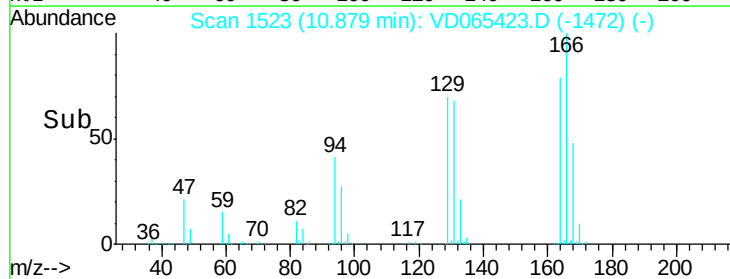
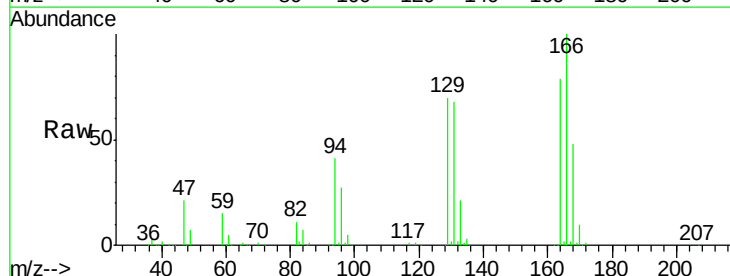
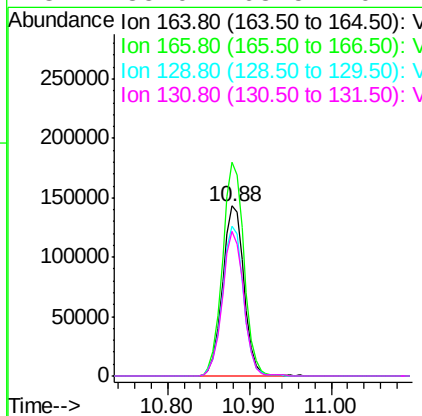
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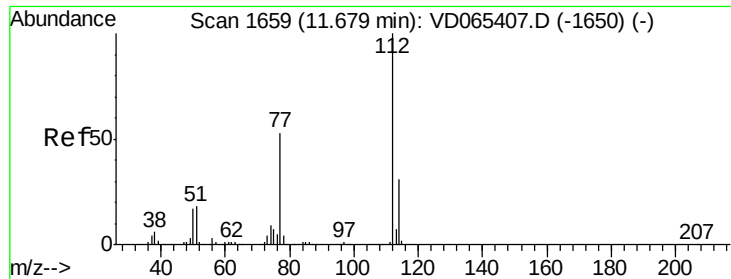
MMDadoda
3/6/2020 11:17:23 AM



#64
Tetrachloroethene
Concen: 54.002 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion:164	Resp:	260724
Ion Ratio	Lower	Upper
164 100		
166 125.8	100.5	150.7
129 88.4	71.5	107.3
131 85.0	68.5	102.7





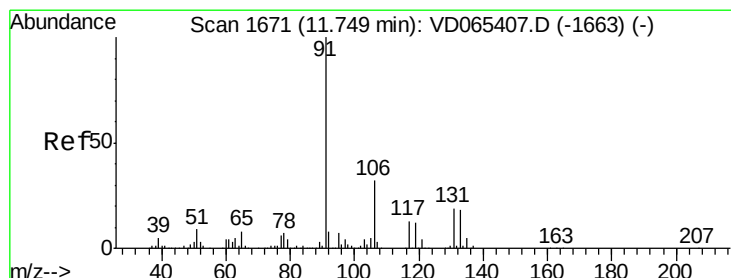
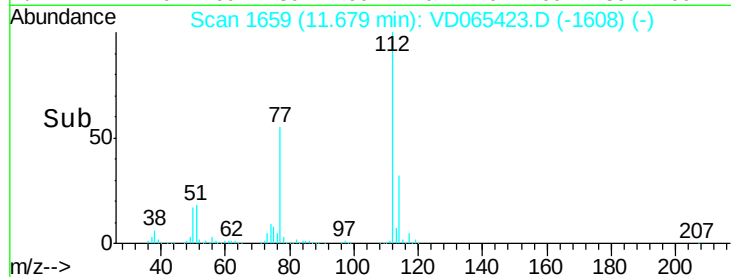
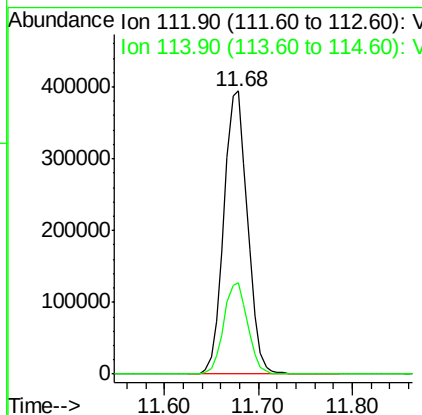
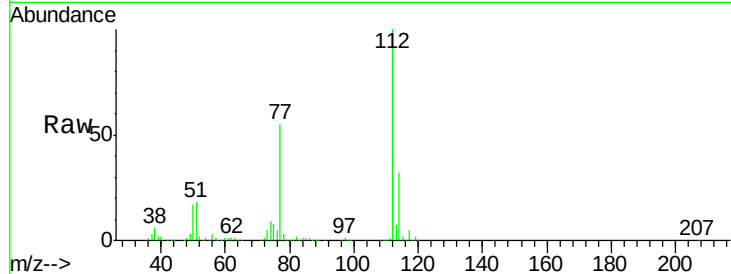
#65
Chlorobenzene
Concen: 51.829 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.4	36.6

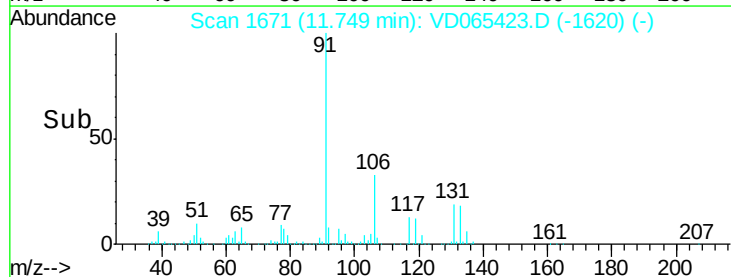
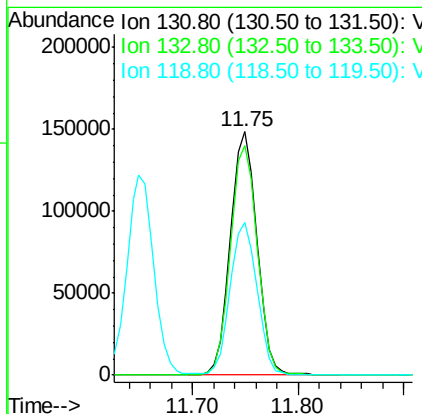
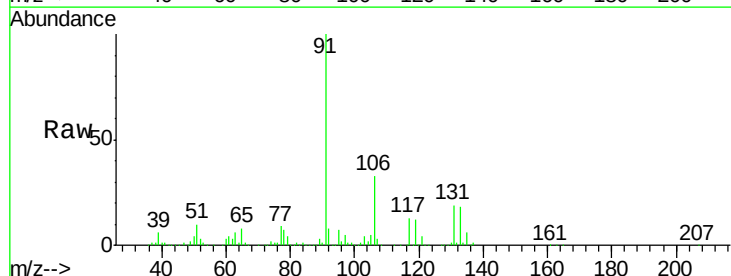
Manual Integrations
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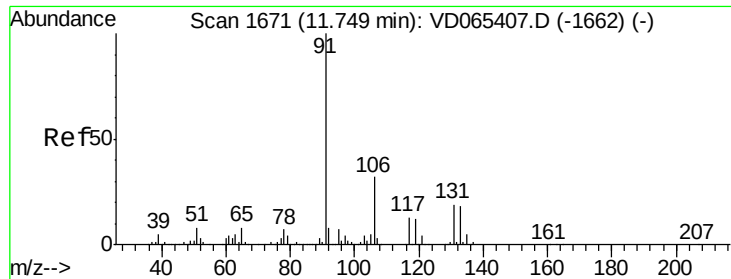
MMDadoda
3/6/2020 11:17:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.196 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	49.2	147.6
119	63.0	33.3	99.8





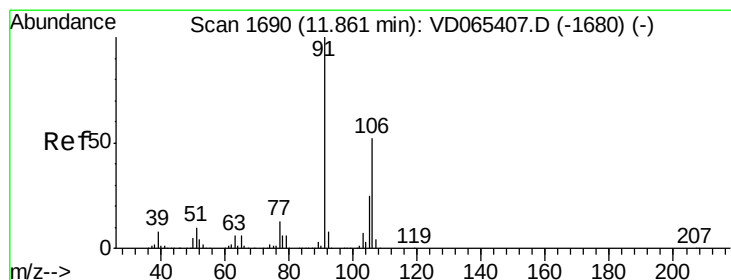
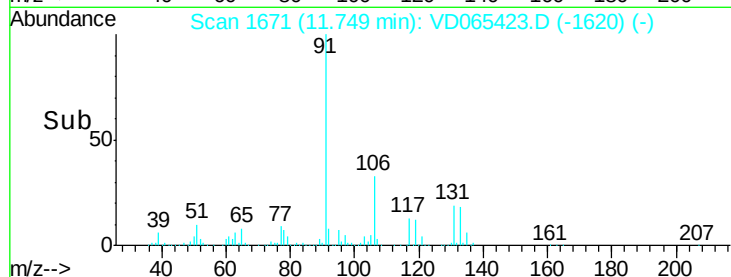
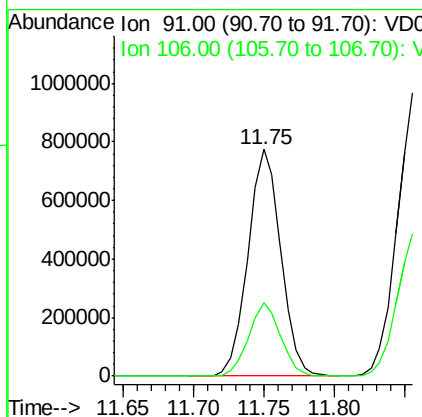
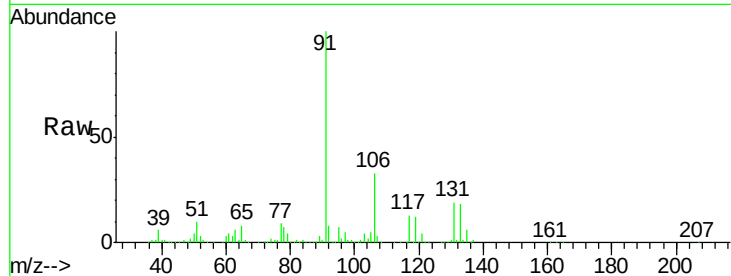
#67
Ethyl Benzene
Concen: 54.867 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1264056
Ion Ratio Lower Upper
91 100
106 32.6 25.2 37.8

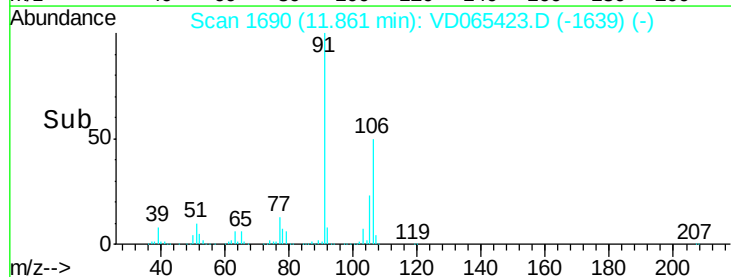
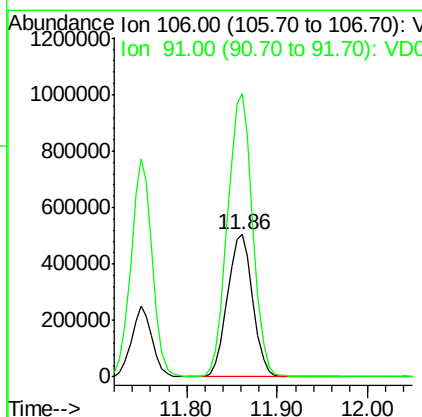
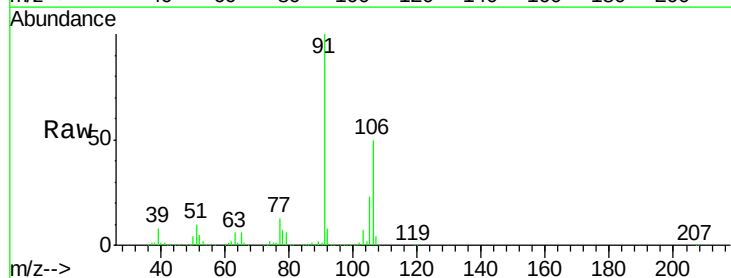
Manual Integrations
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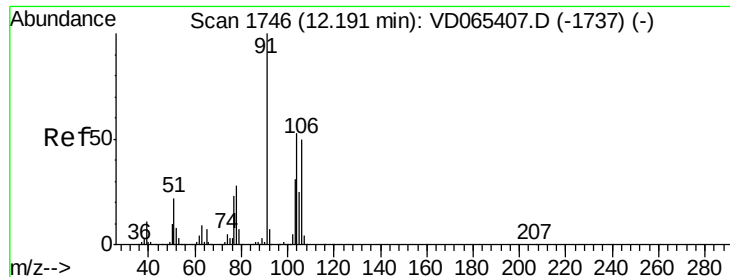
MMDadoda
3/6/2020 11:17:23 AM



#68
m/p-Xylenes
Concen: 109.973 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 106 Resp: 976940
Ion Ratio Lower Upper
106 100
91 197.7 155.9 233.9





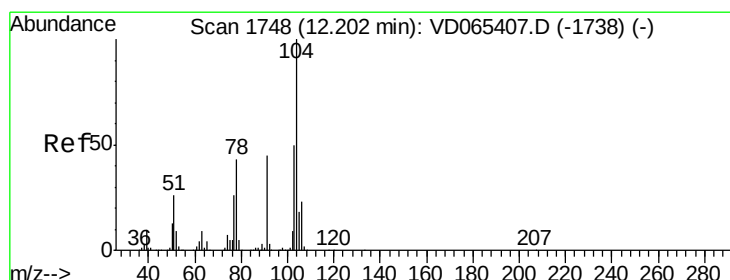
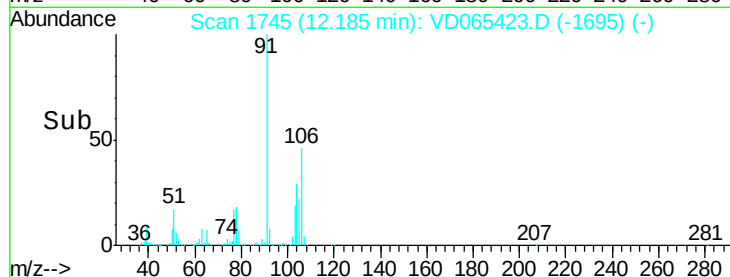
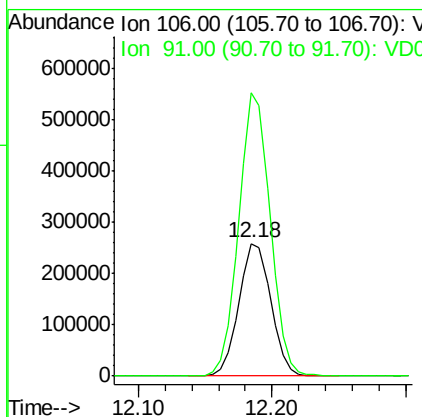
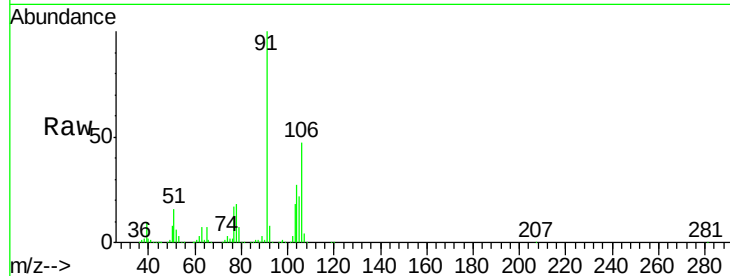
#69
o-Xylene
Concen: 55.195 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		431305		
91	209.2	103.5	310.3		

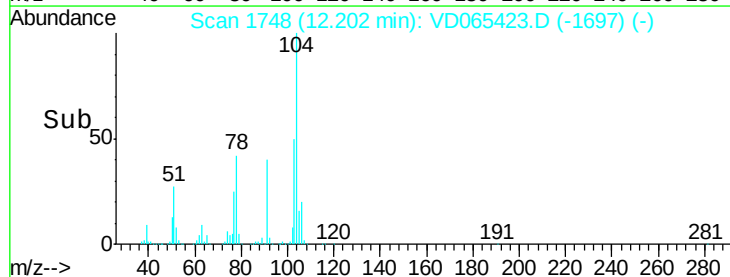
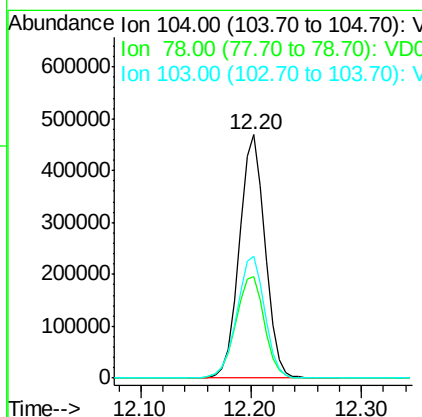
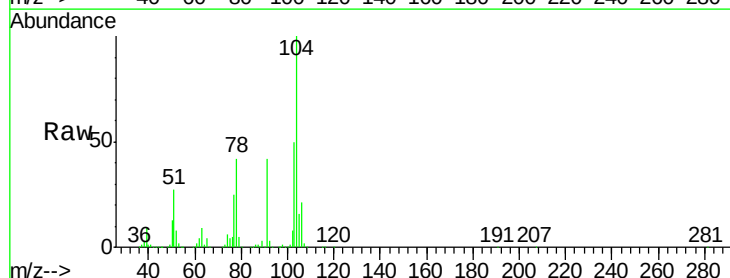
Manual Integrations
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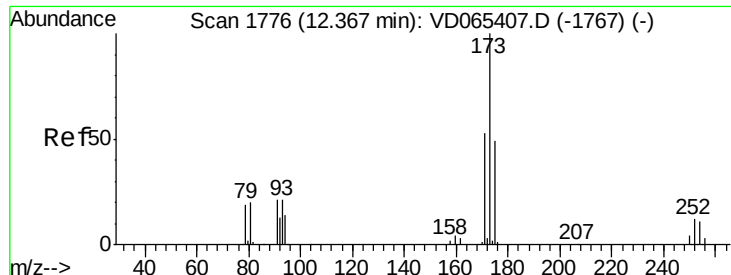
MMDadoda
3/6/2020 11:17:23 AM



#70
Styrene
Concen: 55.934 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		769239		
78	46.5	37.7	56.5		
103	54.4	43.6	65.4		





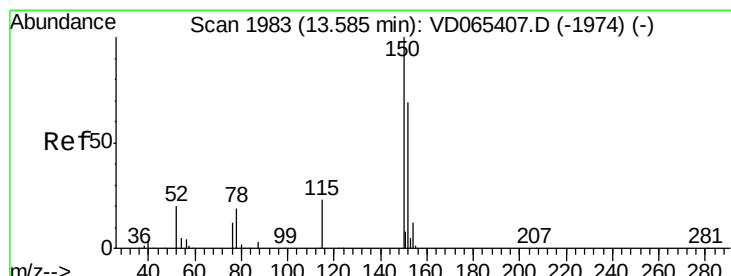
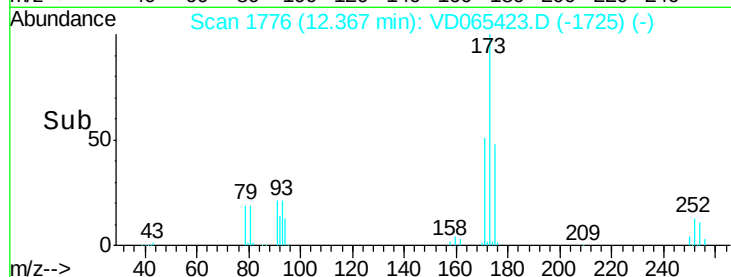
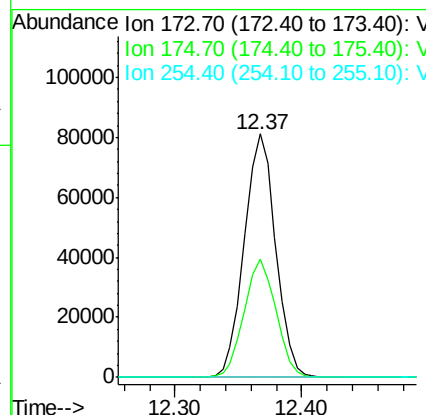
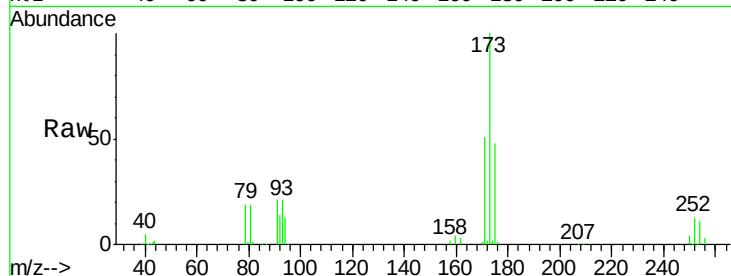
#71
Bromoform
Concen: 51.291 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

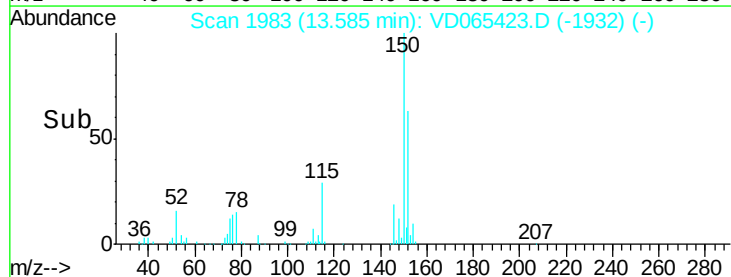
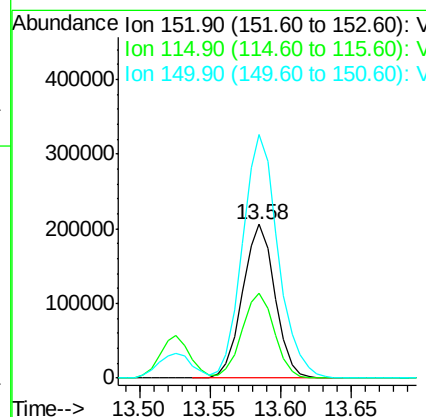
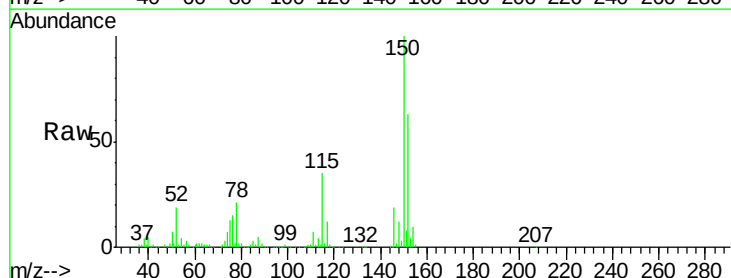
Manual Integrations
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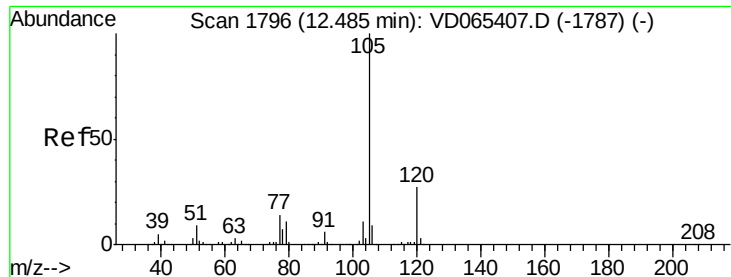
MMDadoda
3/6/2020 11:17:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	174.0	0.0	345.0





#73

Isopropylbenzene

Concen: 55.881 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1214014

Ion Ratio Lower Upper

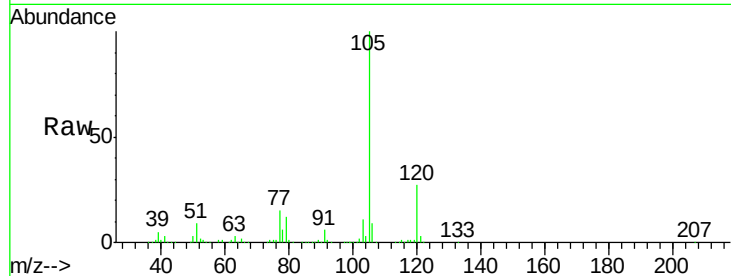
105 100

120 26.9 13.5 40.4

Manual Integrations
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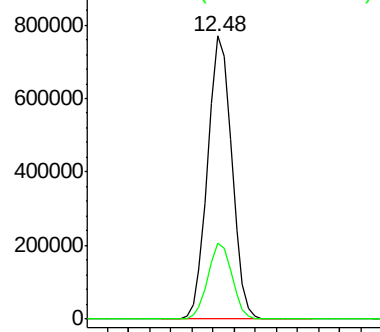
MMDadoda

3/6/2020 11:17:23 AM

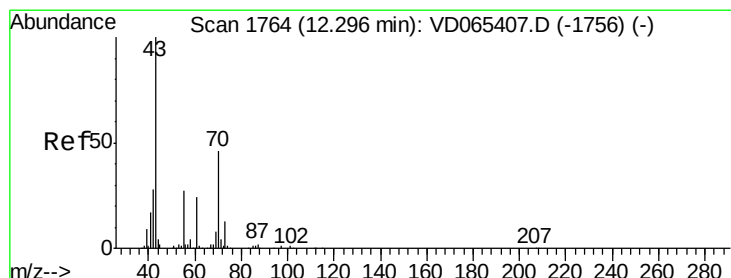
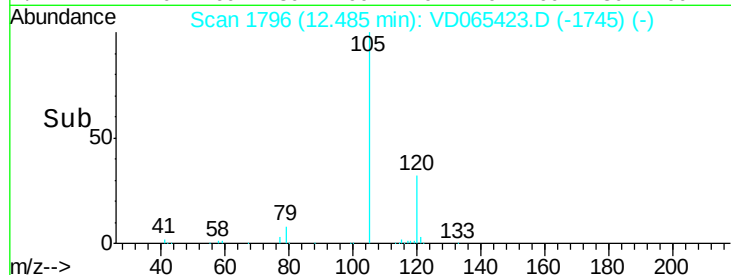


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 52.318 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion: 43 Resp: 232691

Ion Ratio Lower Upper

43 100

70 44.9 36.1 54.1

55 27.6 21.6 32.4

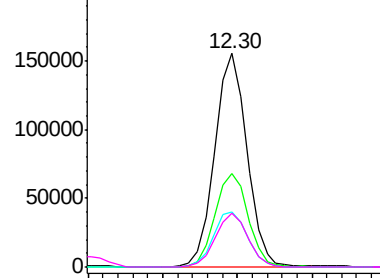
61 25.1 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

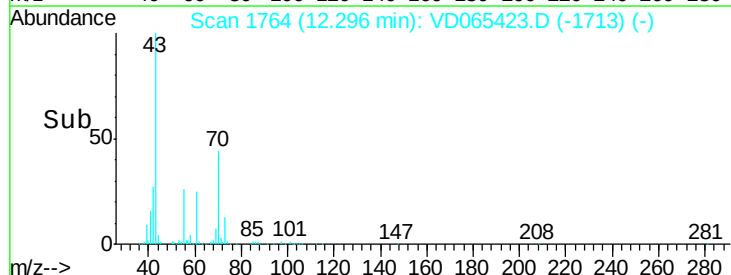
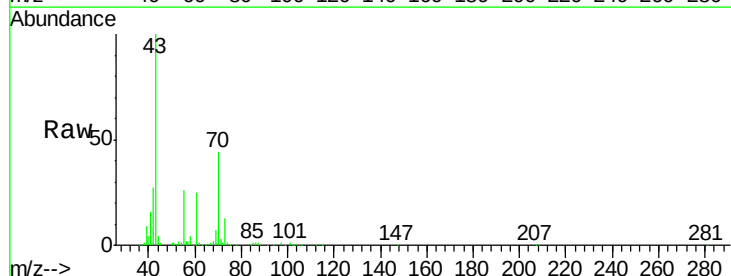
Ion 70.00 (69.70 to 70.70): VDC

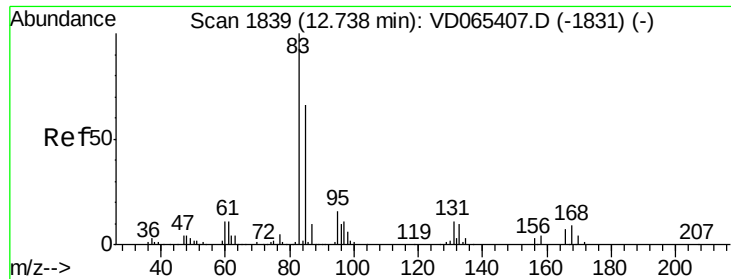
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.128 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

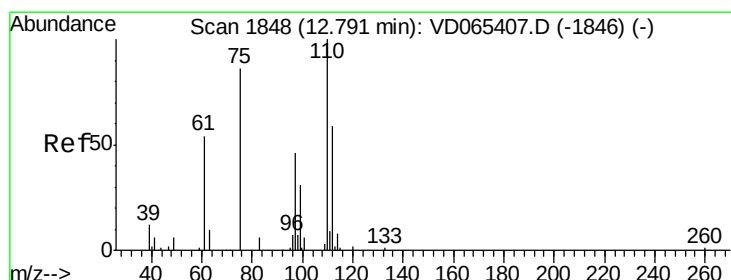
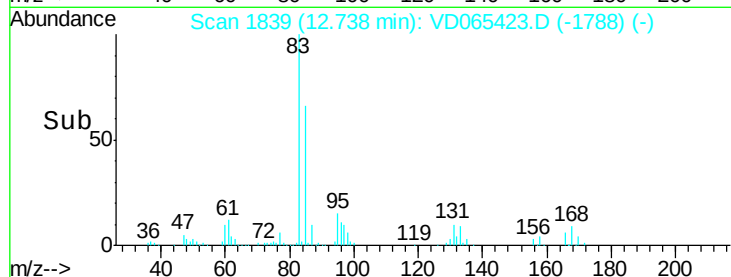
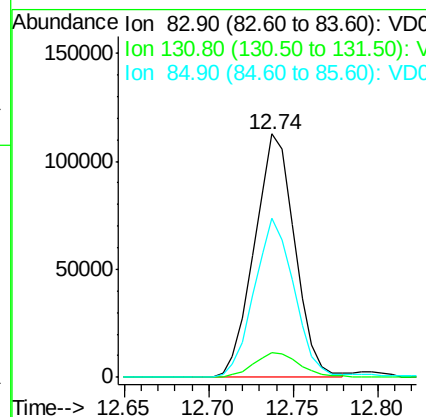
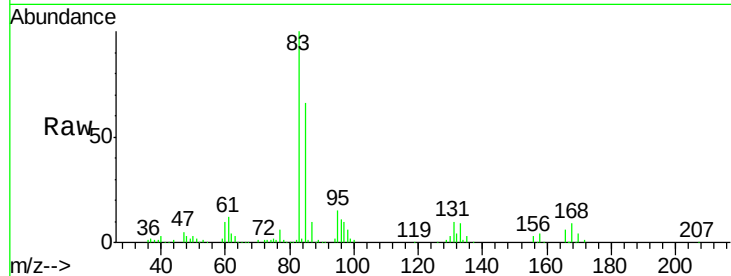
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	187609
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.8	33.0	98.9

Manual Integrations
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MMDadoda
3/6/2020 11:17:23 AM



#76

1,2,3-Trichloropropane

Concen: 48.925 ug/l m

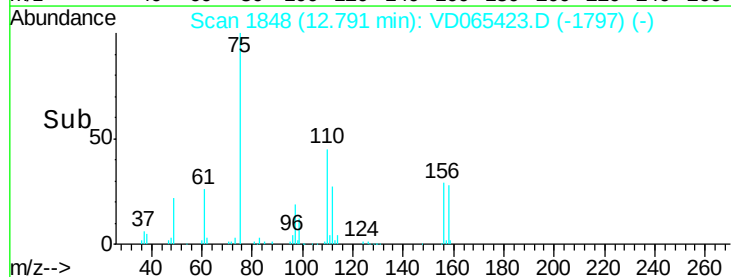
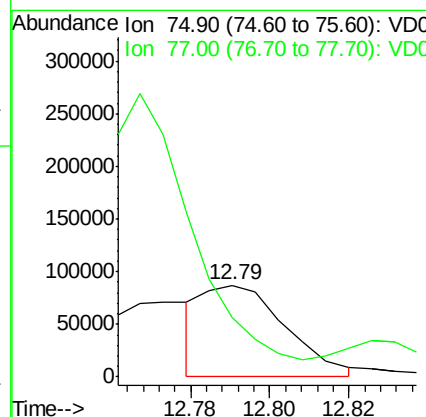
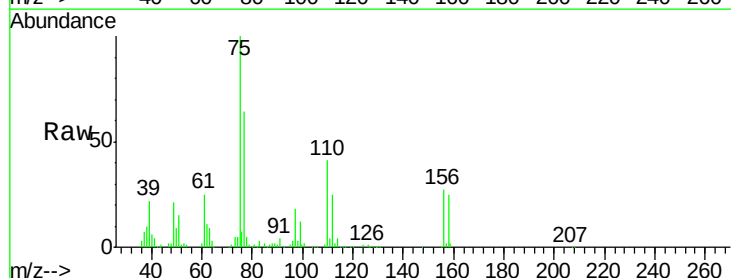
RT: 12.79 min Scan# 1848

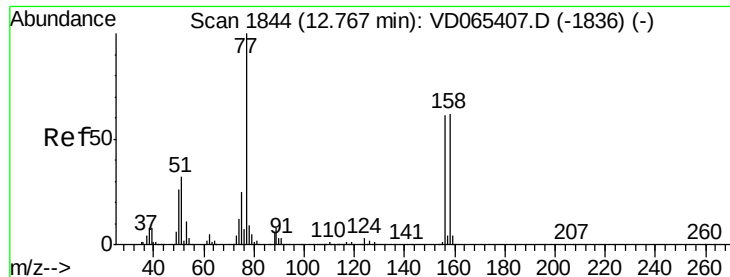
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	75	Resp:	127513
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.472 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

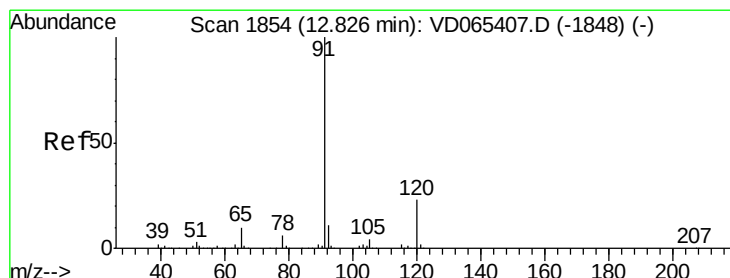
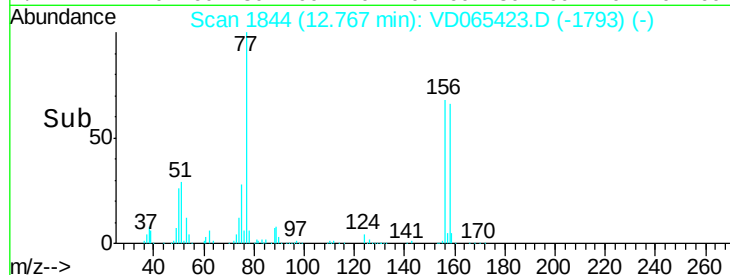
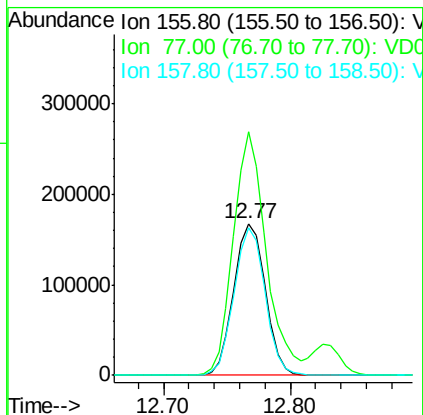
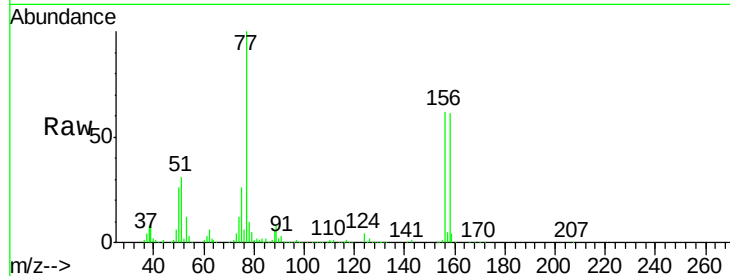
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	288621
Ion Ratio	Lower	Upper	
156	100		
77	167.4	84.9	254.6
158	95.8	49.0	147.2

Manual Integrations
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3/6/2020 11:17:23 AM



#78

n-propylbenzene

Concen: 56.177 ug/l

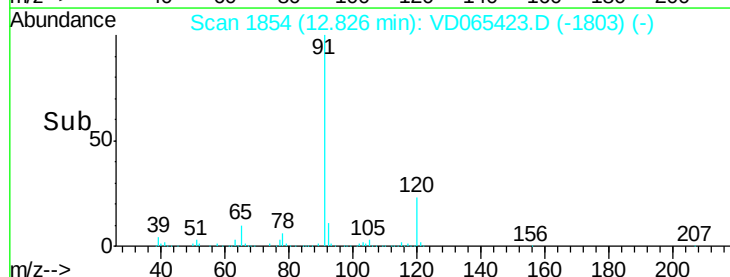
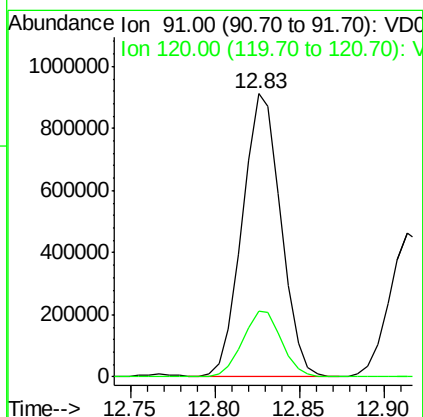
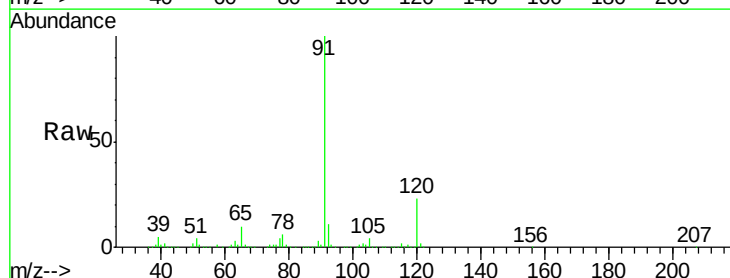
RT: 12.83 min Scan# 1854

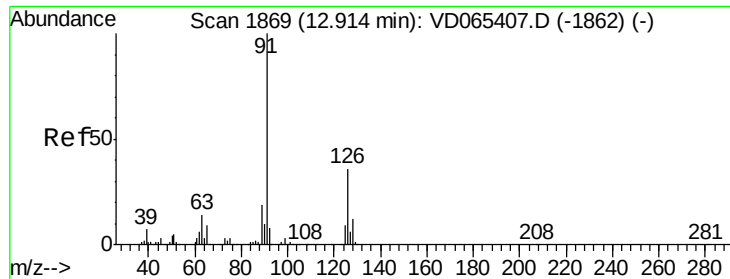
Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Tgt Ion:	91	Resp:	1448071
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 53.927 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 783413

Ion Ratio Lower Upper

91 100

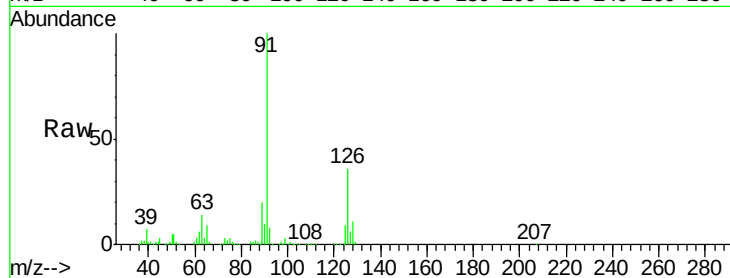
126 35.5 17.9 53.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

1000000

800000

600000

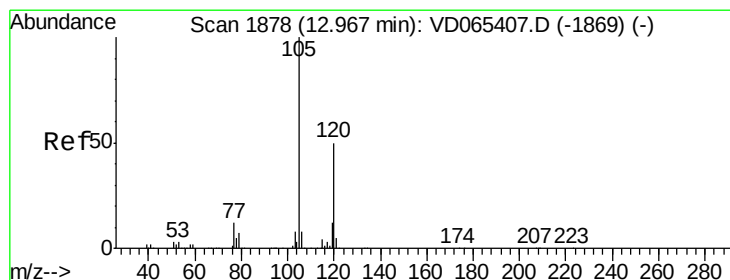
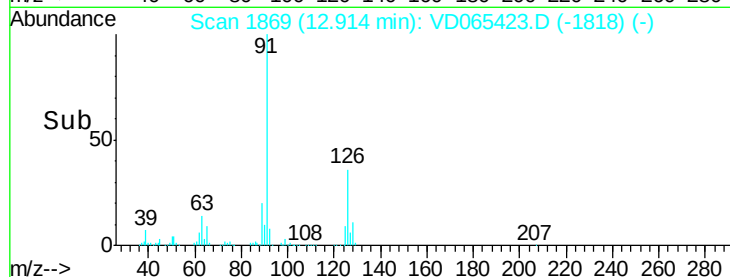
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.878 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065423.D

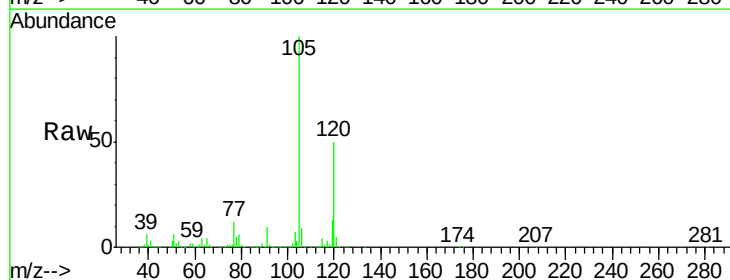
Acq: 05 Mar 2020 11:11

Tgt Ion: 105 Resp: 997995

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

600000

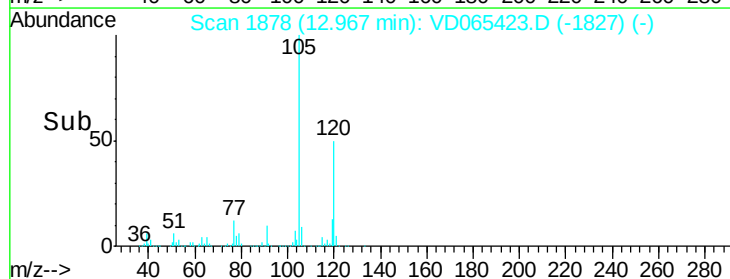
400000

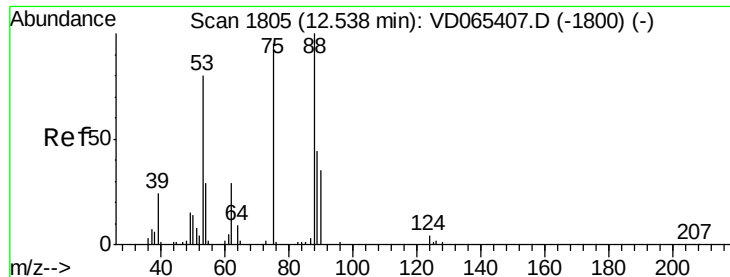
200000

0

12.90 12.97 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.738 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 66368

Ion Ratio Lower Upper

75 100

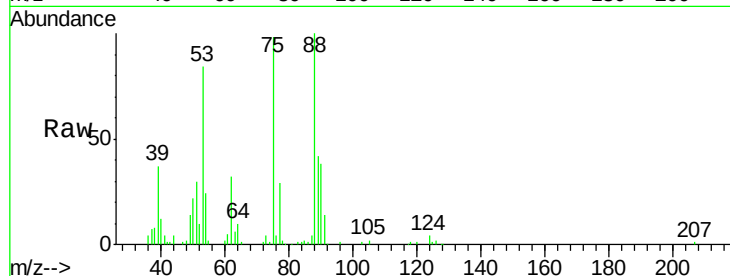
53 86.6 71.3 106.9

89 43.4 37.0 55.6

Manual Integrations
APPROVED

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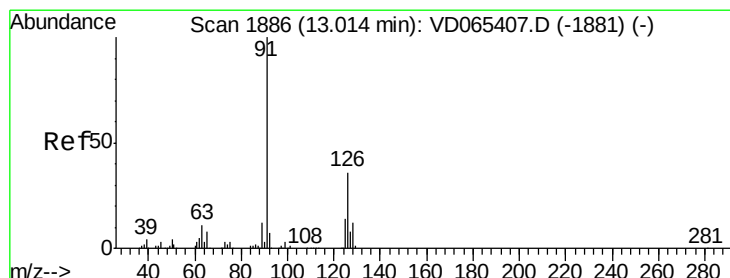
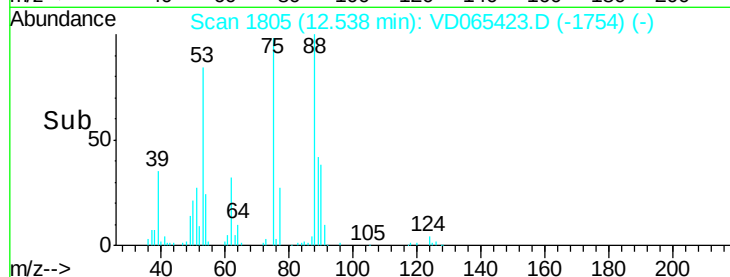
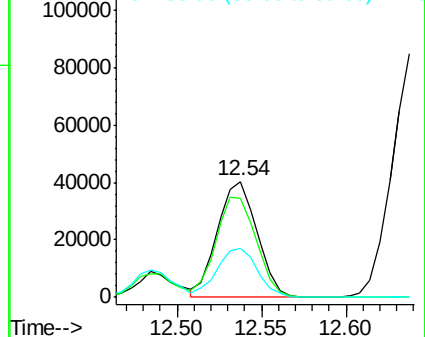
3/6/2020 11:17:23 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.763 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065423.D

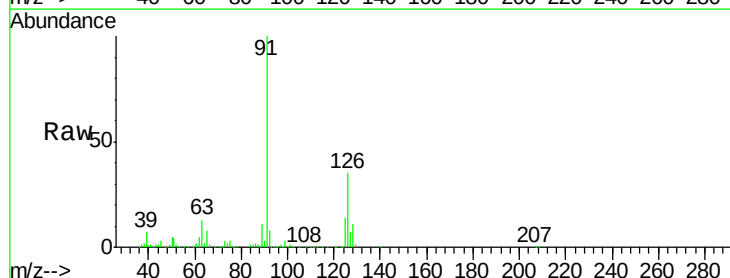
Acq: 05 Mar 2020 11:11

Tgt Ion: 91 Resp: 820736

Ion Ratio Lower Upper

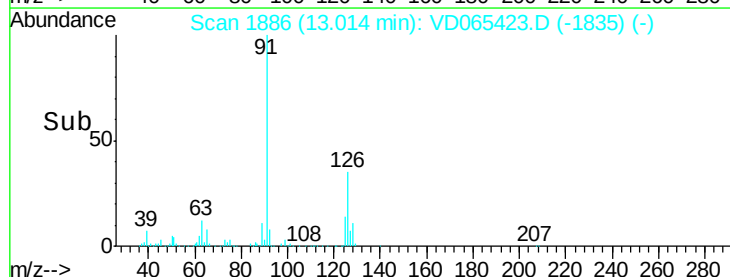
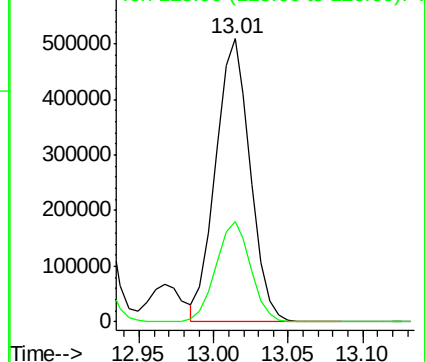
91 100

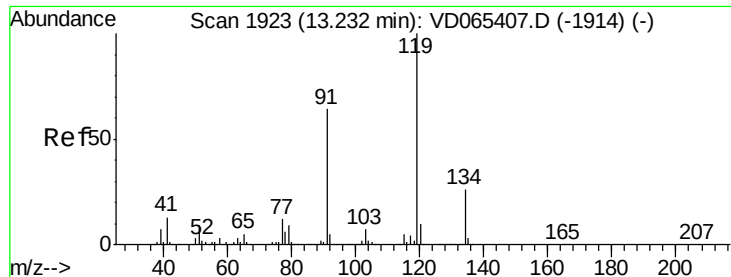
126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





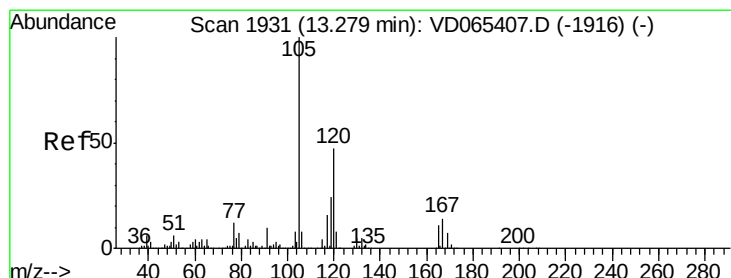
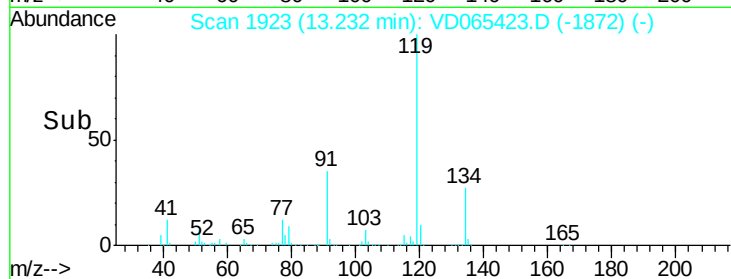
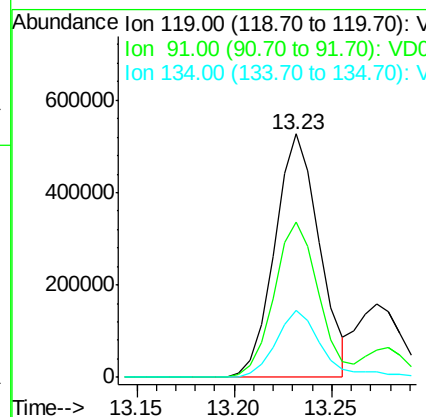
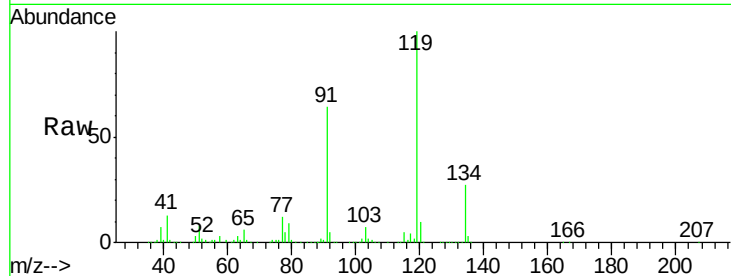
#83
tert-Butylbenzene
Concen: 55.405 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.6	95.0
134	28.2	14.2	42.8

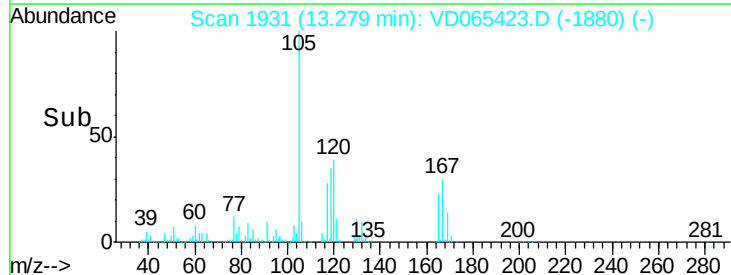
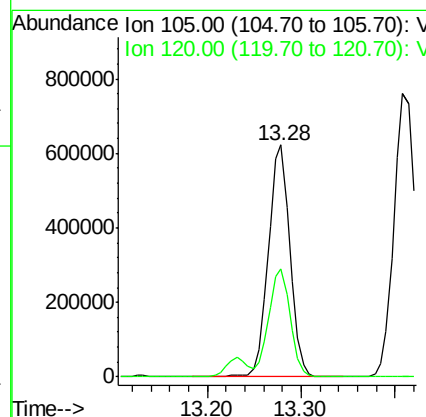
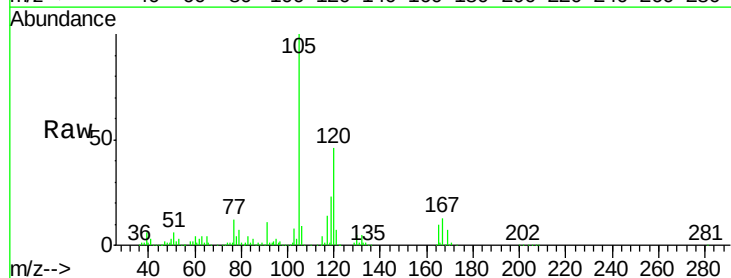
Manual Integrations
APPROVED

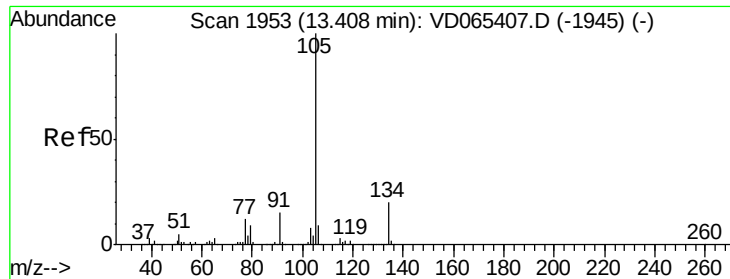
MMDadoda
3/6/2020 11:17:23 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.896 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 56.169 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1211459

Ion Ratio Lower Upper

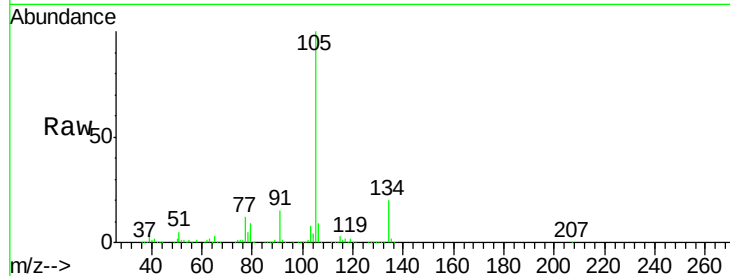
105 100

134 20.7 10.3 30.9

Manual Integrations
APPROVED

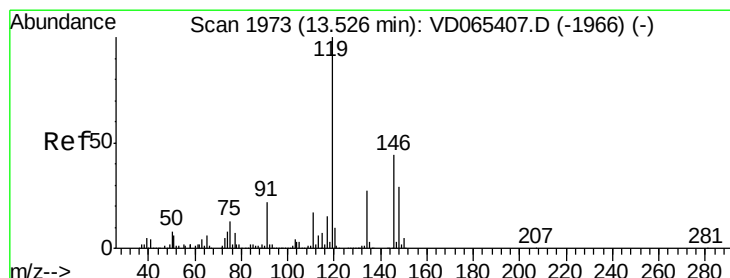
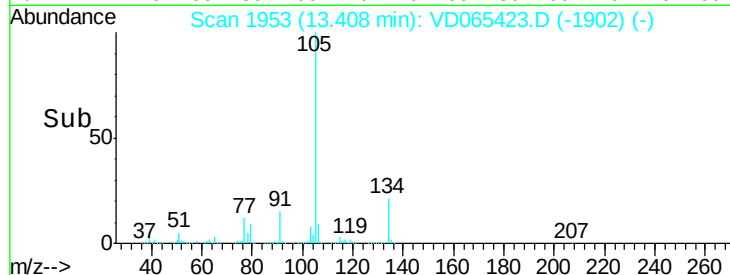
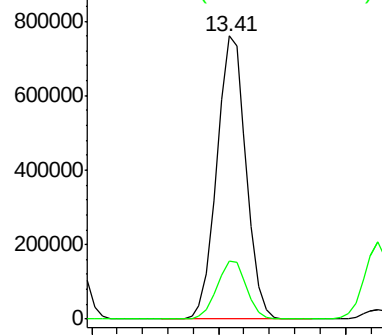
MMDadoda

3/6/2020 11:17:23 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.016 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065423.D

Acq: 05 Mar 2020 11:11

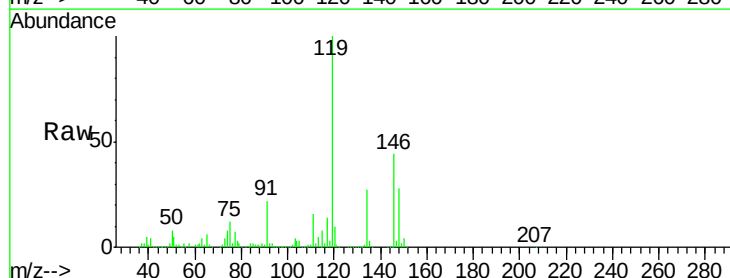
Tgt Ion:119 Resp: 1122133

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

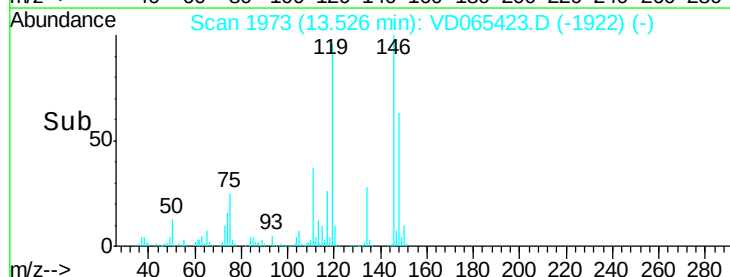
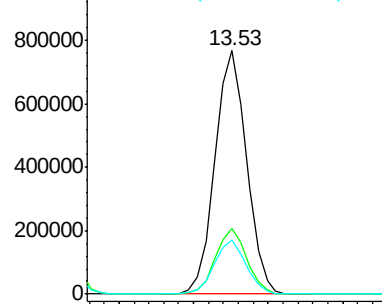
91 22.0 10.9 32.6

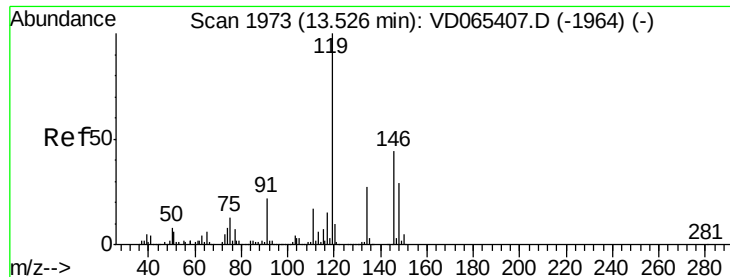


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





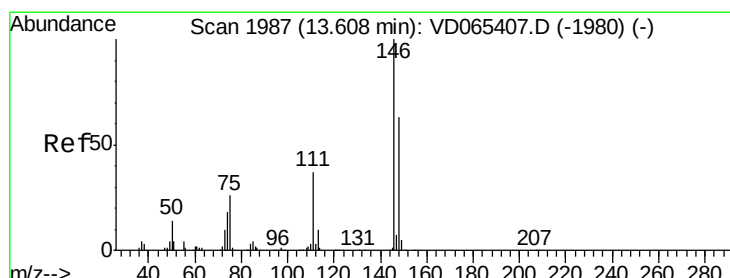
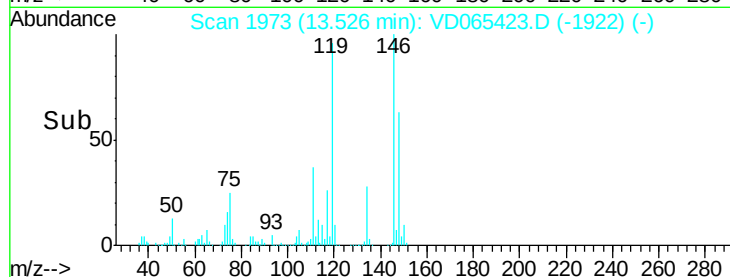
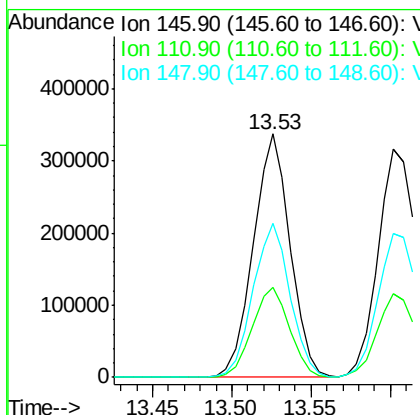
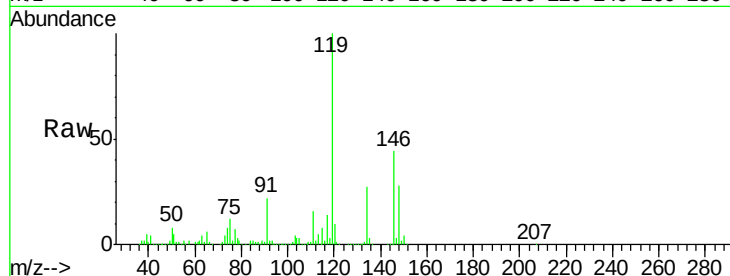
#87
1,3-Dichlorobenzene
Concen: 52.354 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.8	32.3	96.8

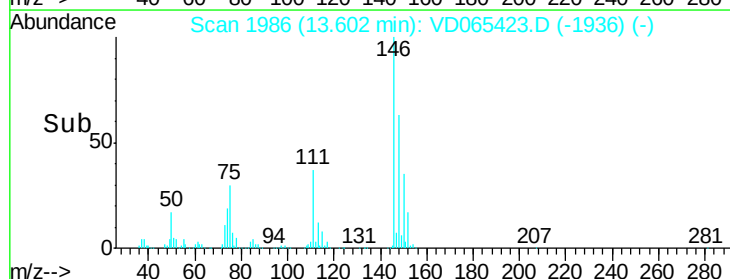
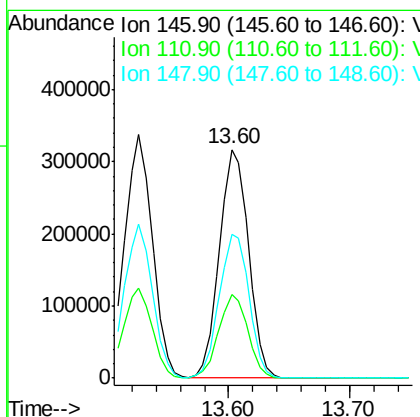
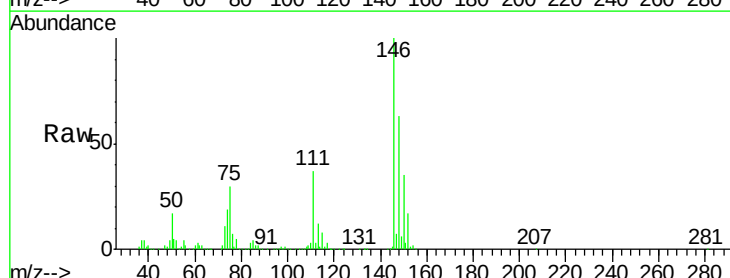
Manual Integrations
APPROVED

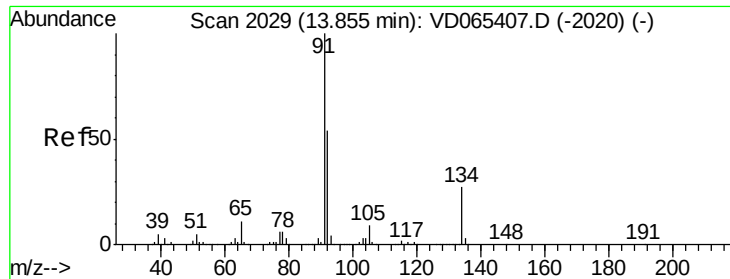
MMDadoda
3/6/2020 11:17:23 AM



#88
1,4-Dichlorobenzene
Concen: 51.335 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.01 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	64.3	32.0	96.0





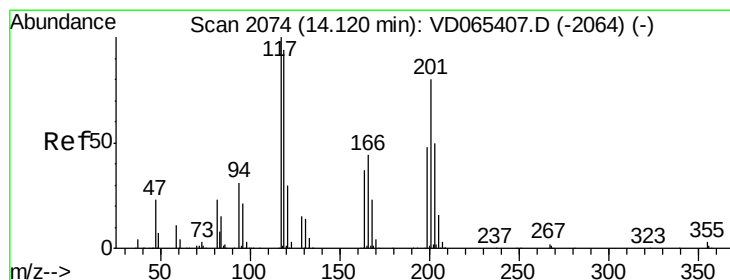
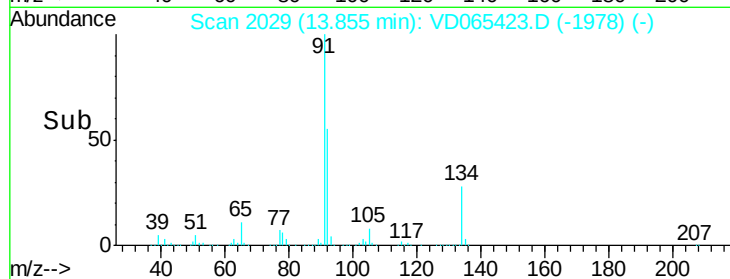
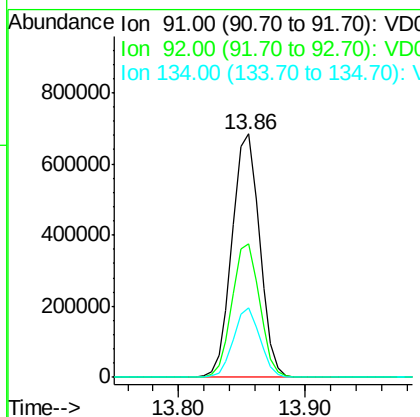
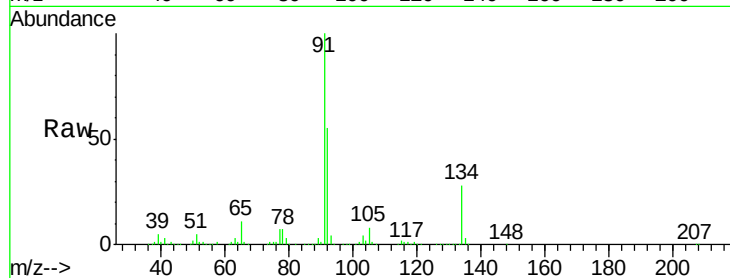
#89
n-Butylbenzene
Concen: 56.558 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1029074
Ion Ratio Lower Upper
91 100
92 54.7 26.8 80.4
134 27.3 13.4 40.2

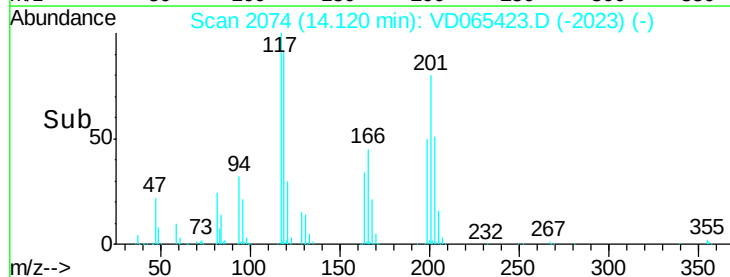
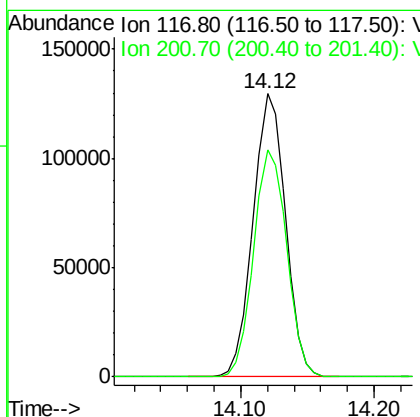
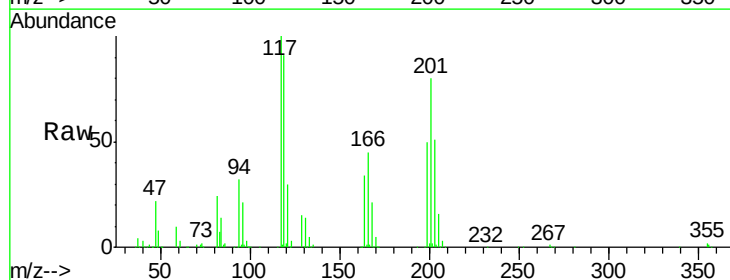
Manual Integrations
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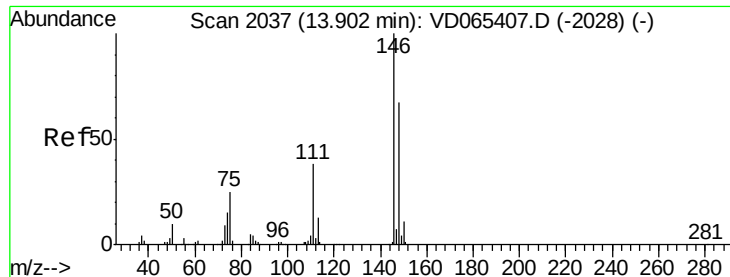
MMDadoda
3/6/2020 11:17:23 AM



#90
Hexachloroethane
Concen: 53.697 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion: 117 Resp: 217635
Ion Ratio Lower Upper
117 100
201 81.8 41.9 125.6





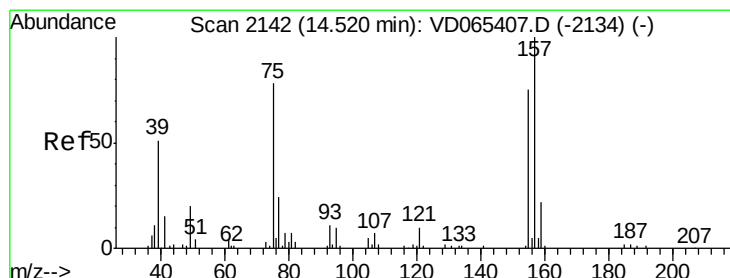
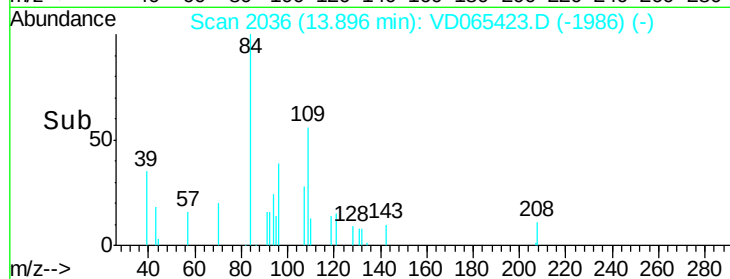
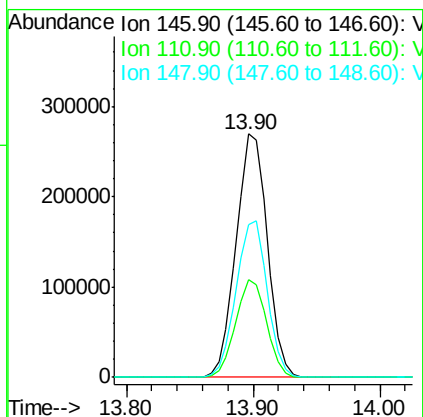
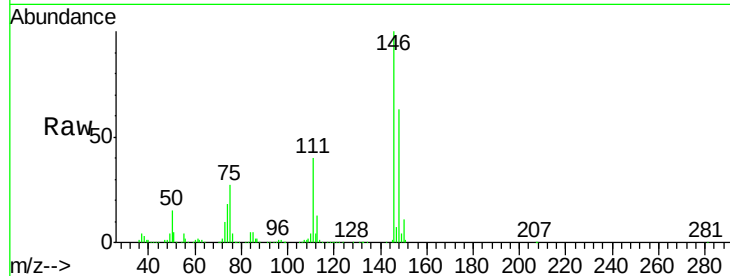
#91
 1,2-Dichlorobenzene
 Concen: 52.079 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	64.2	32.6	97.8

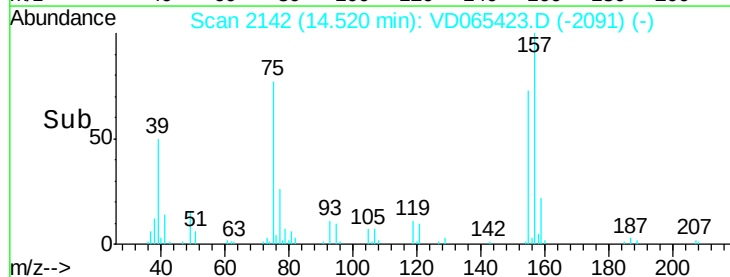
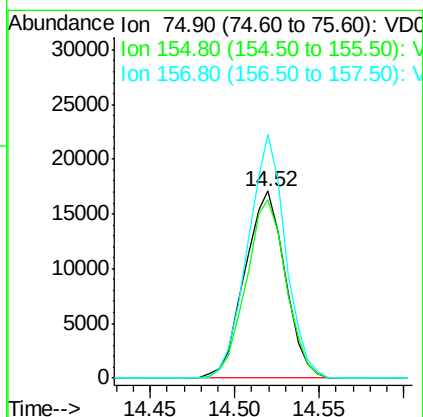
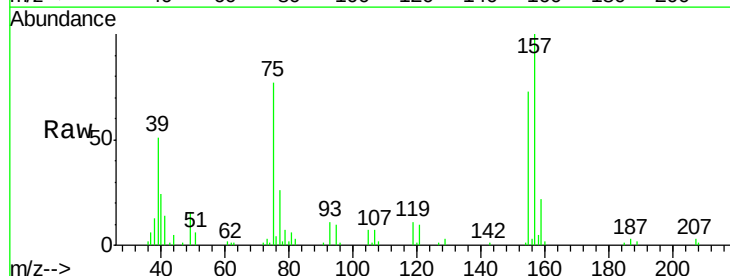
Manual Integrations
 APPROVED

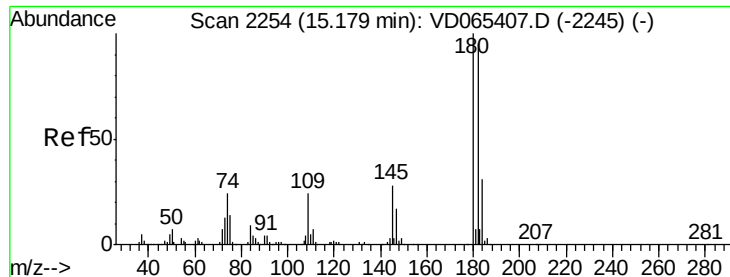
MMDadoda
 3/6/2020 11:17:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.929 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	46.4	139.1
157	121.5	60.2	180.4





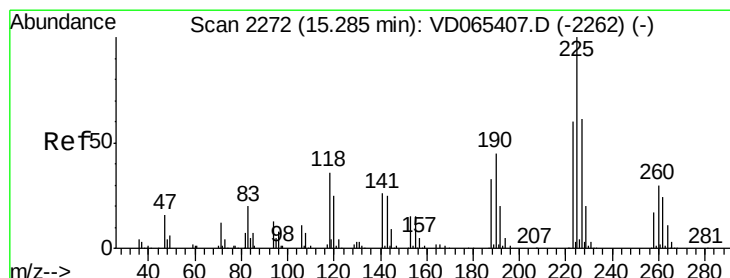
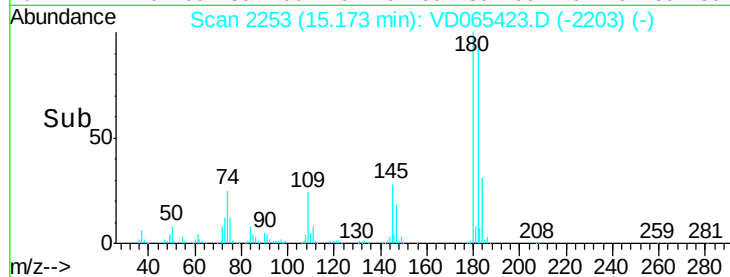
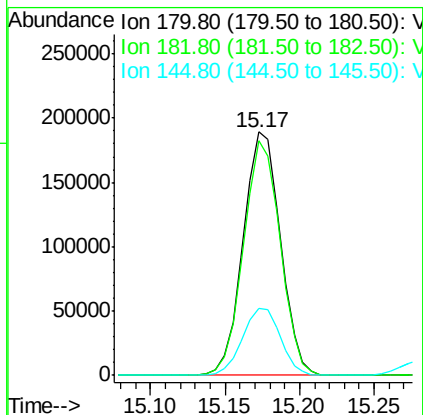
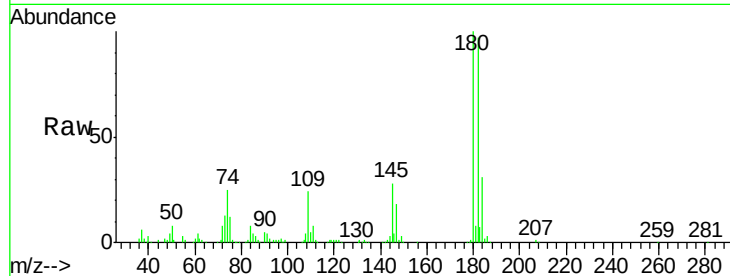
#93
 1,2,4-Trichlorobenzene
 Concen: 54.568 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	326604
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.3	144.9
145	28.4	14.4	43.4

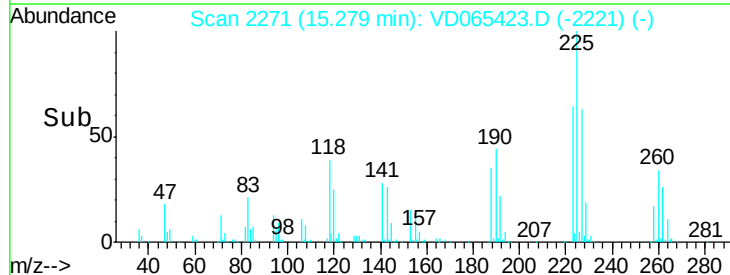
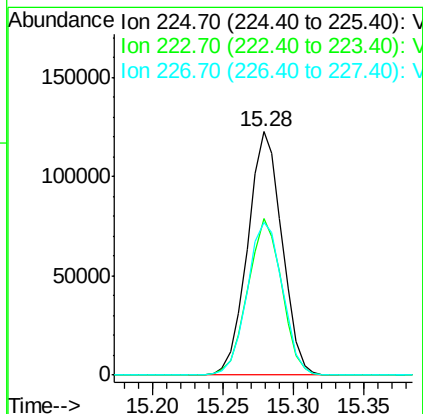
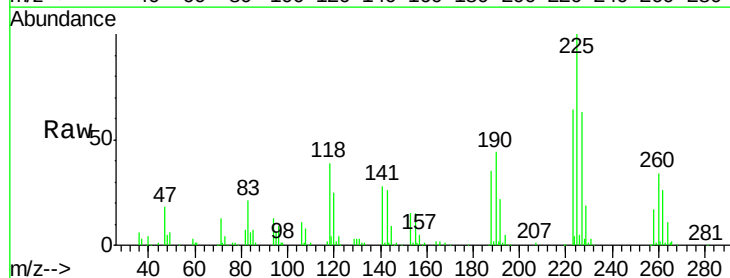
Manual Integrations
 APPROVED

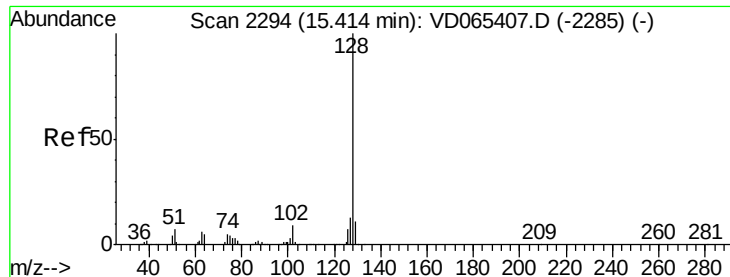
MMDadoda
 3/6/2020 11:17:23 AM



#94
 Hexachlorobutadiene
 Concen: 53.199 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065423.D
 Acq: 05 Mar 2020 11:11

Tgt Ion:	225	Resp:	209218
Ion Ratio	Lower	Upper	
225	100		
223	63.9	30.9	92.5
227	64.7	31.6	94.7





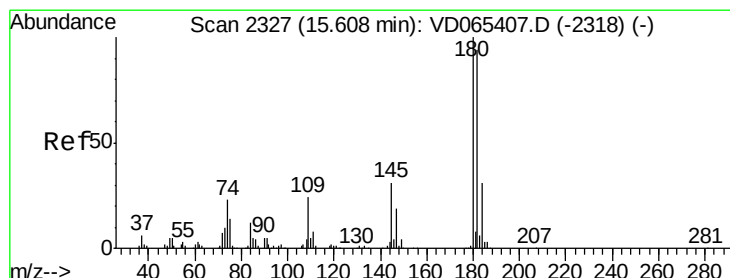
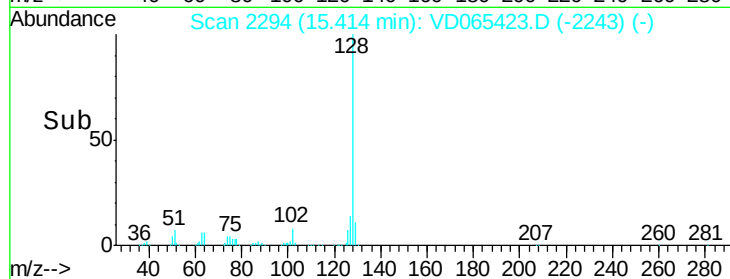
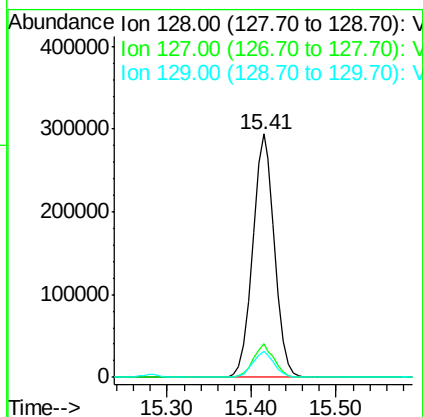
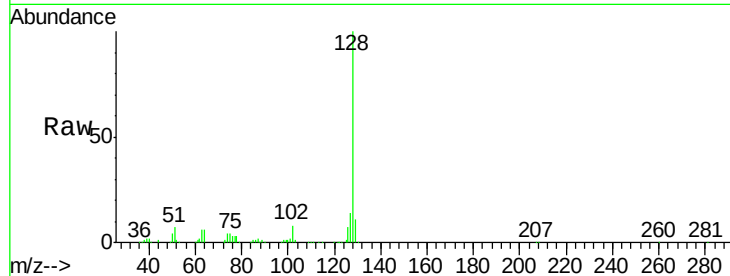
#95
Naphthalene
Concen: 49.445 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/6/2020 11:17:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.442 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065423.D
Acq: 05 Mar 2020 11:11

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.5	46.9	140.6
145	30.8	15.0	45.1

